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COLORADO DEPARTMENT OF HEALTH

Richard D. Lamm
Governor

Frank A. Traylor, M.D.
Executive Director

May 18, 1983

RECEIVED
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OIL SHALE

Mr. Eric G. Hoffman
U.S. Department of Interior
Bureau of Land Management
Oil Shale Projects Office
131 N. 6th Street, Suite 300
Grand Junction, Colorado 81501

Dear Mr. Hoffman:

Thank you for the January 15, 1983 Environmental Monitoring Report from Tract C-b. I was pleased to see the few number of analyzer down periods, however when they did occur, the documentation provides a good explanation as to the reason. Generally, the report looks very good.

My review did turn up some inconsistencies.

1. Table 2.3.1. 1-2, Quarterly Summary March - May 1982, listed the maximum particulate level for this quarter as 43.5 ug/m^3 (May 31). The monthly summary for May indicated a maximum value of 25.6 ug/m^3. Which of these values is correct? The same inconsistency occurred in Table 2.3.1. 1-3, Quarterly Summary June - August 1982, where the particulate value was listed as 51.4 ug/m^3 (June 8) but the June summary listed 30.2 ug/m^3 for the same day.
2. Looking through the monthly NO_x - NO - NO_2 reports I noticed that the NO and NO_2 values for a certain day and hour did not always add together to equal the NO_x value. For example, the June 11, 2000 hour NO_x, NO, and NO_2 values were 103, 35 and 49 ug/m^3, respectively. An error of one or two units would be expected, but a difference of 19 at relatively high concentrations indicates that a calculation problem may exist.
3. The 1982 maximum O_3 concentration occurred on August 7 at 2400 hours. The August data sheet shows a reasonable progression of increasing values on the seventh, however, it is unusual, though not impossible, to see a high O_3 reading at midnight. Also there is a calibration notation (CA) for the hour following the 143 ug/m^3 reading. I assume this was not a routine automatic zero/span since there are no similar notations on other days. The 143 ug/m^3 was the 1982 maximum reading and it did not occur under what are considered "normal" circumstances therefore I would like further assurance that 143 ug/m^3 is valid number. Please recheck the value and inform me of your findings.

Tables 2.3. 1-12 and Table 2.3.1. 2-3 list respectively the five maximum oxidant and particulate concentrations for 1982. These values are listed as the "five highest monthly averages" when the ozone values are actually hourly maximums and the particulate concentrations are daily (24-hour) values.

4210 EAST 11TH AVENUE DENVER,COLORADO 80220 PHONE (303) 320-8333

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SHOUT
SHARE
IT

I have reviewed your two 1982 data reports and come up with a set of 1982 statistics relating to the National Ambient Air Quality Standards. I would appreciate a review of these figures. If your information shows any of these values to be incorrect please let me know.

Pollutant	Averaging Time	Concentration ug/m^3	Concentration ppm
NO_2	Annual	2.7	.001
O_3	1-hour Max.	14.3	.073
SO_2	Annual	1.4	.0005
	3-hour Max.	15.7	.008
	24-hour Max.	9.5	.005
CO	1-hour Max,	600	.5
	8-hour Max.	200	.2
TSP	24-hour Max.	42.2	
	Annual geometric Mean	7.2	

If you have any questions, please feel free to contact me.

Sincerely,

Beth K. Baird

Beth K. Baird
Air Pollution Control Specialist
Air Pollution Control Division

cc: Steve Arnold

BKB:tb

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U. S. DEPARTMENT OF THE INTERIOR
PROTOTYPE OIL SHALE LEASING PROGRAM

OIL SHALE TRACT C-b
ENVIRONMENTAL MONITORING REPORT
(June 1982 through December 1982)

Submitted to:

Mr. Eric G. Hoffman
Deputy Minerals Manager for Oil Shale
Oil Shale Office
USDI Minerals Management Service
131 Nth 6th Street - Suite 300
Grand Junction, Colorado

By:

CATHEDRAL BLUFFS SHALE OIL COMPANY

TENNECO SHALE OIL COMPANY
OCCIDENTAL OIL SHALE, INC.

January 15, 1983

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INTRODUCTION

Regular environmental reporting for Oil Shale Tract C-b during the interim monitoring period consists of two six-month data reports submitted February 15 and July 15 for 1983. Limited data analyses are included in the February report.

The Interim Monitoring Program was initiated in March 1982. The data reported here fulfill the environmental monitoring requirements specified for the interim monitoring period by the DMM-OS. Data are reported for the period of May 1982 to December 1982. Data stored in the computerized data base and summary tables presented in this report are correct to the best of our knowledge. Any errors found in previously reported data appear in the Data Corrections section.

Data not previously reported for dates prior to this report period are presented in the Supplemental Data Sections for meteorology, air quality, hydrology and lab analyses.

1.0 PRE-EXPLORATION ENVIRONMENTAL RECONNAISSANCE SURVEYS

No environmental reconniassance surveys have been conducted during the interim period. The results of previous surveys are contained in Quarterly Data Reports #1 and #3 and are summarized in Summary Reports #1 and #2.

2.0 ENVIRONMENTAL MONITORING PROGRAM

The Development Monitoring Program was discontinued in March 1982 and replaced with an Interim Monitoring Program during a period of reduced site activity at the C-b Tract. Each section will specify changes made to the monitoring program.

TRACT PHOTOGRAPHY

2.1 Tract Photography

Surface and aerial photography programs were discontinued during the interim monitoring period.

HYDROLOGY &
WATER QUALITY

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TABLE 2.2-1
Interim Monitoring Program
Water Monitoring Requirements by Designation
Observation Wells

Computer Code	Designation	Owner of Well	Formation	Frequency Levels	Frequency Water Quality	Measured By
WA01	A-1	TOSCO	Alluvium	M	S/F	A
WA02	A-2	TOSCO	"	M	S/F	A
WA03	A-3	CB	"	M	S/F	A
WA04	A-4	CB	"	Dry	S/F	A
WA05	A-5	CB	"	M	S/F	A
WA55	A-5A	CB	"	M	S/F	A
WA56	A-5B	CB	"	M	S/F	A
WA06	A-6	TOSCO	"	M	S/F	A
WA07	A-7	CB	"	M	S/F	A
WA08	A-8	TOSCO	"	M	S/F	A
WA09	A-9	CB	"	M	S/F	A
WA10	A-10	CB	"	Dry	S/F	A
WA11	A-11	CB	"	M	S/F	A
WA12	A-12	CB	"	M	S/F	A
WA13	A-13	CB	"	Dry	S/F	A
WD02	CB-2	CB	UPC1	M	-	A
WE03	CB-3	CB	UPC2	M	-	A
WE04	CB-4	CB	UPC2	M	-	A
WG12	SG-1-1	CB	LPC3	C	S_1	A
WD12	SG-1-2	CB	UPC1	C	S_1	A
WE11	SG-1A-1	CB	UPC2	S	-	A
WD11	SG-1A-2	CB	UPC1	S	-	A
WE61	SG-6-1	CB	UPC2	M	-	A
WG61	SG-6-2	CB	LPC3	M	-	A
WD61	SG-6-3	CB	UPC1	M	-	A
WY81	SG-8R	CB	Lower Aquifer	M	S_1	A
WG91	SG-9-1	CB	LPC3	B	-	A
WE91	SG-9-2	CB	UPC2	B	-	A
WD91	SG-9-3	CB	UPC1	B	-	A
WC91	SG-9-4	CB	Uinta	B	-	A
WG51	SG-10A-1	CB	LPC3	M	-	A
WE51	SG-10A-2	CB	UPC2	M	-	A
WD51	SG-10A-A	CB	UPC1	M	-	A
WD90	SG-10	CB	UPC1	C	Q_1	A
WG52	SG-11-1	CB	LPC3	M	-	A
WE52	SG-11-2	CB	UPC2	M	-	A
WD52	SG-11-3	CB	UPC1	M	-	A
WG17	SG-17-1	CB	LPC3	B	-	A
WE17	SG-17-2	CB	UPC2	B	-	A
WD17	SG-17-3	CB	UPC1	B	-	A
WC17	SG-17-4	CB	Uinta	B	-	A
WD57	SG-17A	CB	UPC1	B	S_1	A
WG18	SG-18A-1	CB	LPC3	Q	-	A
WE18	SG-18A-2	CB	UPC2	Q	-	A
WD18	SG-18A-3	CB	UPC1	Q	-	A
WD19	SG-19	CB	UPC1	M	-	A
WG20	SG-20-1	TOSCO	LPC3	CAPPED	-	A
WE20	SG-20-2	TOSCO	UPC2	M	S_1	A
WD20	SG-20-3	TOSCO	UPC1	M	S_1	A
WH21	SG-21-1	CB	LPC4	M	-	A
WG21	SG-21-2	CB	LPC3	M	-	A
WE21	SG-21-3	CB	UPC2	M	-	A
WD21	SG-21-4	CB	UPC1	M	-	A
WV37	AT-1A	CB	COMPOSITE	M	-	A
WX38	AT-1A-1	CB	UPPER AQUIFER	M	-	A
WY45	AT-1C-1	CB	LOWER AQUIFER	W	Q	A
WY46	AT-1C-2	CB	LOWER AQUIFER	W	-	A
WX44	AT-1C-3	CB	UPPER AQUIFER	C	Q	-
WG41	AT-1D-1	CB	LPC3	B	-	A
WE41	AT-1D-2	CB	UPC2	B	-	A
WD41	AT-1D-3	CB	UPC1	B	-	A
WD14	14X-7-1	CB	UPC1	M	-	A
WD15	14X-7-2	CB	UPC1	B	-	A
WV07	21X-12	CB	COMPOSITE	S	-	A
WV08	22X-1	CB	COMPOSITE	S	-	A
WI19	22X-17	CB	UPC2 & LPC3	M	-	A
WI17	24X-17	CB	UPC2 & LPC3	M	-	A

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2.2 Hydrology and Water Quality

To assist in interpretation of hydrologic and water quality data, the reader must understand that two items in particular may affect monitoring program results: intentional flooding of the V/E shaft and water management practices. The V/E shaft was allowed to flood in September 1981; water levels have reached the equilibrium level shown in Figure 2.2.1.7-1. Water management practices to dispose of excess mine water from the Production and Service shafts utilized two modes in 1982; direct discharge from Ponds A/B into Piceance Creek via Little Gardenhire Gulch and/or reinjection into groundwater zones of like water quality, mode varied in both timing and amount.

Hydrologic and water quality monitoring frequency and laboratory analysis requirements vary by type and location of sample collection station. The requirements from government agencies also vary regarding purpose of monitoring. Tract C-b monitoring requirements have been detailed in these documents as follows:

IMP - Interim Monitoring Program prepared for the Oil Shale Office (OSO).

WAP - Water Augmentation Plan prepared for the State of Colorado Water Court, Division 5.

NPDES - National Pollutant Discharge Elimination System monthly report prepared for the State of Colorado Water Quality Control Division.

This data report contains results of waters sampled during June through December 1982 and time series plots of spring flows, well levels and specific water analysis parameters of stream and spring samples.

Table 2.2-1 contains water monitoring requirements by station designation for sample frequencies of levels or flows and water quality. Within each subsection of Water Quality Section 2.2.2, the required frequency is explained and parameters listed for analyses during the Interim Monitoring Program (IMP). Table 2.2-2 is an index of deep wells sampled in and around C-b Tract with lists of page numbers locating levels data, time series plots of levels and water quality for each well by aquifer or zone and location.

Exhibit A (map) presented in jacket Figure 2.2-1 provides location of off-tract sampling sites. Maps are included in each water type subsection for locating on or near Tract sampling sites. Station coordinates and four-digit computer codes for collection stations sampled periodically since baseline are presented in Section 4.0, Data Automation.

The water quality files underwent an extensive quality assurance review and update process correcting erroneous values stored back to baseline. Tables of all parameters for each water location for the entire data base are presented in the Water Quality Assurance Section 2.2.4. The update process was a means of assuring that all data stored in the water quality files are correct to the best of our knowledge. Additional data screening is being implemented to detect outliers which still may exist within these files. Five-year statistics of all water quality parameters for springs, seeps, alluvial and bedrock wells are presented in each subsection of the Water Quality Section 2.2.2. These statistics include the maximum, minimum, mean and standard deviation values of all water quality parameters analyzed during this five year period; water years 1978 - 1982(October 1977 - September 1982).

TABLE 2.2-1
Interim Monitoring Program
Water Monitoring Requirements by Designation
Observation Wells

Computer Code	Designation	Owner of Well	Formation	----Frequency--- Levels	Water Quality	Measured By
WA01	A-1	TOSCO	Alluvium	M	S/F	A
WA02	A-2	TOSCO	"	M	S/F	A
WA03	A-3	CB	"	M	S/F	A
WA04	A-4	CB	"	Dry	S/F	A
WA05	A-5	CB	"	M	S/F	A
WA55	A-5A	CB	"	M	S/F	A
WA56	A-5B	CB	"	M	S/F	A
WA06	A-6	TOSCO	"	M	S/F	A
WA07	A-7	CB	"	M	S/F	A
WA08	A-8	TOSCO	"	M	S/F	A
WA09	A-9	CB	"	M	S/F	A
WA10	A-10	CB	"	Dry	S/F	A
WA11	A-11	CB	"	M	S/F	A
WA12	A-12	CB	"	M	S/F	A
WA13	A-13	CB	"	Dry	S/F	A
WD02	CB-2	CB	UPC1	M	-	A
WE03	CB-3	CB	UPC2	M	-	A
WE04	CB-4	CB	UPC2	M	-	A
WG12	SG-1-1	CB	LPC3	C	S_1	A
WD12	SG-1-2	CB	UPC1	C	S_1	A
WE11	SG-1A-1	CB	UPC2	S	-	A
WD11	SG-1A-2	CB	UPC1	S	-	A
WE61	SG-6-1	CB	UPC2	M	-	A
WG61	SG-6-2	CB	LPC3	M	-	A
WD61	SG-6-3	CB	UPC1	M	-	A
WY81	SG-8R	CB	Lower Aquifer	M	S_1	A
WG91	SG-9-1	CB	LPC3	B	-	A
WE91	SG-9-2	CB	UPC2	B	-	A
WD91	SG-9-3	CB	UPC1	B	-	A
WC91	SG-9-4	CB	Uinta	B	-	A
WG51	SG-10A-1	CB	LPC3	M	-	A
WE51	SG-10A-2	CB	UPC2	M	-	A
WD51	SG-10A-A	CB	UPC1	M	-	A
WD90	SG-10	CB	UPC1	C	Q_1	A
WG52	SG-11-1	CB	LPC3	M	-	A
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WD57	SG-17A	CB	UPC1	B	S_1	A
WG18	SG-18A-1	CB	LPC3	Q	-	A
WE18	SG-18A-2	CB	UPC2	Q	-	A
WD18	SG-18A-3	CB	UPC1	Q	-	A
WD19	SG-19	CB	UPC1	M	-	A
WG20	SG-20-1	TOSCO	LPC3	CAPPED	-	A
WE20	SG-20-2	TOSCO	UPC2	M	S_1	A
WD20	SG-20-3	TOSCO	UPC1	M	S_1	A
WH21	SG-21-1	CB	LPC4	M	-	A
WG21	SG-21-2	CB	LPC3	M	-	A
WE21	SG-21-3	CB	UPC2	M	-	A
WD21	SG-21-4	CB	UPC1	M	-	A
WV37	AT-1A	CB	COMPOSITE	M	-	A
WX38	AT-1A-1	CB	UPPER AQUIFER	M	-	A
WY45	AT-1C-1	CB	LOWER AQUIFER	W	Q	A
WY46	AT-1C-2	CB	LOWER AQUIFER	W	-	A
WX44	AT-1C-3	CB	UPPER AQUIFER	C	Q	-
WG41	AT-1D-1	CB	LPC3	B	-	A
WE41	AT-1D-2	CB	UPC2	B	-	A
WD41	AT-1D-3	CB	UPC1	B	-	A
WD14	14X-7-1	CB	UPC1	M	-	A
WD15	14X-7-2	CB	UPC1	B	-	A
WV07	21X-12	CB	COMPOSITE	S	-	A
WV08	22X-1	CB	COMPOSITE	S	-	A
WI19	22X-17	CB	UPC2 & LPC3	M	-	A
WI17	24X-17	CB	UPC2 & LPC3	M	-	A

Computer Code	Designation	Owner of Well	Formation	----Frequency--- Levels	Water Quality	Measured By
WW22	31X-12	CB	UPC1	W	M_1/S	A
WX32	32X-12	CB	UPC2	C	S_1	A
WW32	32Y-12	CB	UPC1	M	Q_1	A
WW13	41X-13	CB	UPC1	W	M_1/S	A
WV09	43X-2	CB	COMPOSITE	S	-	A
WV10	TG-71-1	CB	COMPOSITE	Q	-	A
WX75	TH-5**	US	UPPER AQUIFER	Q	-	A
WX64	TH75-5A	US	" "	Q	-	A
WY64	TH75-5B	US	LOWER "	Q	-	A
WX69	TH75-9A	US	UPPER "	Q	-	A
WY69	TH75-9B	US	LOWER "	Q	-	A
WY68	TH75-10B	US	" "	Q	-	A
WX65	TH75-13A	US	UPPER "	Q	-	A
WY65	TH75-13B	US	LOWER "	Q	-	A
WX67	TH75-18A	US	UPPER "	Q	-	A
WY67	TH75-18B	US	LOWER "	Q	-	A
WX72	TH75-15A	US	UPPER "	Q	-	A
WY72	TH75-15B	US	LOWER "	Q	-	A
WY66	EQUITY 1	EQUITY	" "	Q	-	A
WY70	EQUITY SIA	EQUITY	" "	Q	-	A
WV01	GREENO-404	SHELL	COMPOSITE	Q	-	A
WX71	CER RB-D-02	US	UPPER AQUIFER	Q	-	A
WY71	CER RB-D-03	US	LOWER "	Q	-	A
WY75	TG-71-3	TOSCO	" "	Q	-	A
WY78	TG-71-4	"	" "	Q	-	A
WY76	TG-71-5	"	" "	Q	-	A
WV02	OLDLAND 3	"	COMPOSITE	Q	-	A
WV03	GP-17X-BG	US	"	Q	-	A
WV04	BUTE 25	TOSCO	"	Q	-	A
WV05	LIBERTY BELL 12	TOSCO	"	Q	-	A
WX73	UNION 8-1	UNION	UPPER AQUIFER	Q	-	A
WY77	GETTY 9-4D	GETTY	LOWER "	Q	-	A
WY79	EQUITY BS-13	EQUITY	" "	Q	-	A

**Colony TH-5 replaced Colony 12-596
B = Bimonthly
M = Monthly
S = Semiannual
S/F = Semiannual field measurements
C = Continuous
Q = Quarterly
A = Applicant
M/D = Monthly if not diverted
M_1 = Monthly for field measurements + Fluoride
Q_1 = Quarterly for field measurements + Fluoride
S_1 = Semiannual but may be changed pending evaluation of hydrographs

Stream Flow

Computer Code	Station Number	Description	Frequency Discharge	Frequency Water Quality	Measured By
WU07 (M)	09306007	Piceance Creek Below Rio Blanco	C	P	F
WU22	09306022	Stewart Gulch Above West Fork	C	P	F
WU36	09306036	Sorghum Gulch at Mouth	C	P	F
WU39	09306039	Cottonwood Gulch	C	P	F
WU42 (M)	09306042	Tributary of Piceance Creek (Little Gardenhire Gulch)	C	P	F
WU52	09306052	Scandard Gulch at Mouth	C	P	F
WU58	09306058	Willow Creek	C	P	F
WU61 (M)	09306061	Piceance Creek above Hunter Creek	C	P	F

(M) = Major Site

Springs and Seeps

Computer Code	Designation	Frequency Discharge	Frequency Water Quality	Measured By
WS01	CB S-1	M/D	M/D	A
WS02	CB S-2	M	M	A
WS03	CB S-3	M/D	M/D	A
WS04	CB S-4	M	M	A
WS06	CB S-6	M	M	A
WS66	CB S-6A	M	M	A
WS07	CB S-7	M	M	A
WS08	CB S-8	M	M	A
WS09	CB S-9	M/D	M/D	A
WS10	CB S-10	M/D	M/D	A
WS11	CB SEEP A	M/D	M/D	A
WS12	CB S-102	M	M	A
WS21	CER-1	Q	-	WRD
WS22	B-3	Q	-	WRD
WS24	F-3	Q	-	WRD
WS26	W-4	Q	-	WRD
WS28	CER-7	Q	-	WRD
WS30	P3 & P3A	Q	-	WRD
WS31	CER-6	Q	-	WRD
WS33	S-2	Q	-	WRD
WS34	W-3	Q	-	WRD

Precipitation

Computer Code	Designation	Name of Station	Frequency	Measured By
AB23	023	CB Station 023	C	A
AD28	028	Lysimeter site at Shale Pile	C	A

B = Bimonthly
M = Monthly
S = Semiannual
S/F = Semiannual field measurements
C = Continuous
Q = Quarterly
A = Applicant
M/D = Monthly if not diverted.
F = USGS
P = Periodically measured
WRD = Water Resources Division of the USGS

TABLE 2.2-2

Deep Well Index

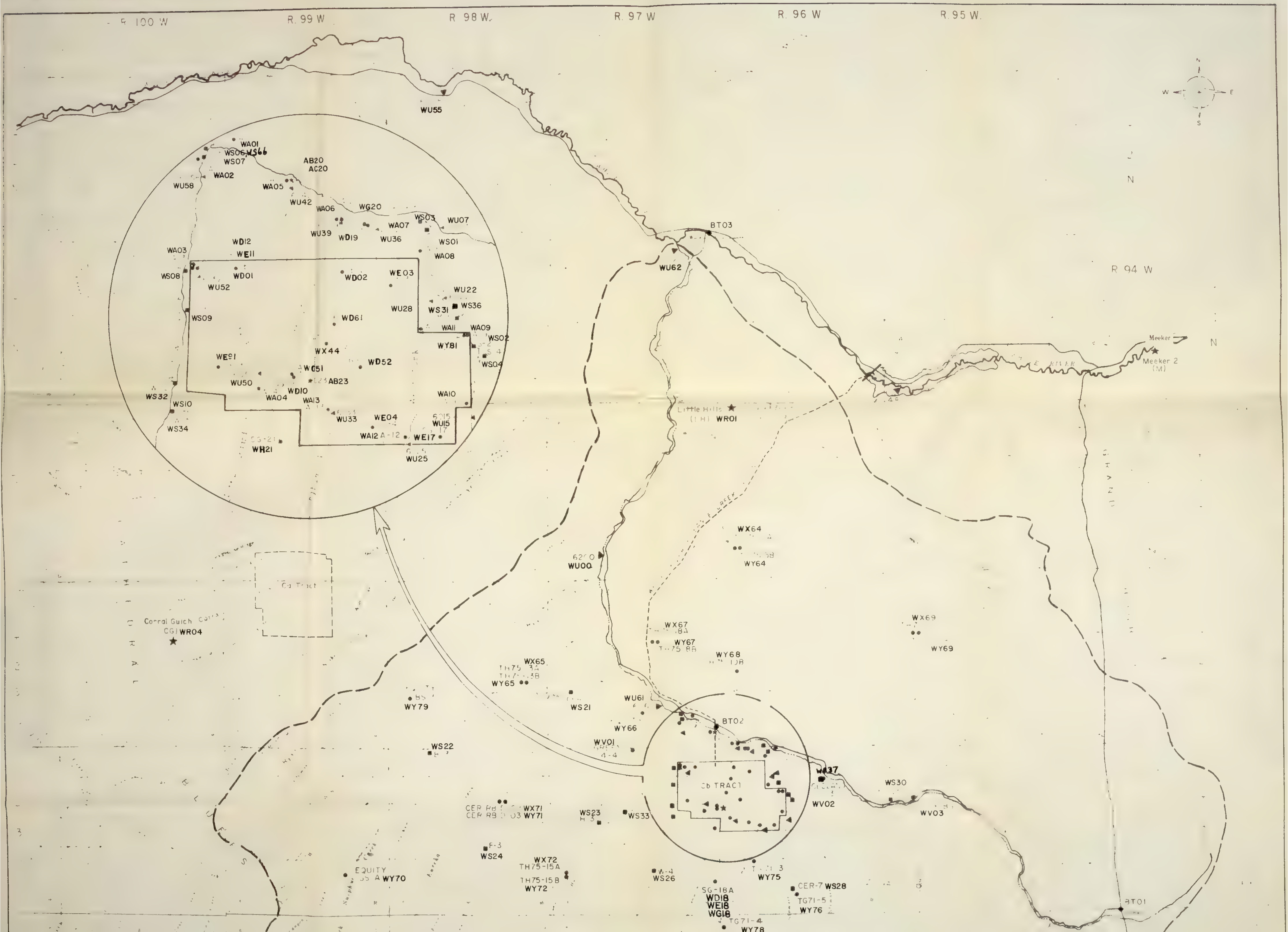
Aquifer or Zone	General Location	Computer Code	Well Designation	Levels Data on Page	Levels Plot on Page	Water Quality Data on Page
Uinta	Close-In	WC17	SG-17-4	1-192	1-34	No Data
		WC91	SG-9-4	1-192	1-31	No Data
Upper	Close-In	WX38	AT-1A-1	No Data	1-21	1-767
		WX44	AT-1C-3	1-103	1-22	1-462, 1-767
	Remote	WX64	TH75-5A	1-104	1-119	No Data
		WX65	TH75-13A	1-104	1-120	No Data
		WX67	TH75-18A	1-104	1-121	No Data
		WX69	TH75-9A	1-104	1-122	No Data
		WX71	CER RB-D-02	1-104	1-123	No Data
		WX72	TH75-15A	1-104	1-124	No Data
		WX73	UNION 8-1	1-104	1-125	No Data
		WX75	TH-5	No Data	1-126	No Data
Lower	Close-In	WY44	AT-1	1-129	1-23	No Data
		WY45	AT-1C-1	1-129	1-22	1-552, 1-809
		WY46	AT-1C-2	1-129	1-22	1-810
		WY81	SG-8R	1-129	1-30	1-552, 1-811
	Remote	WY64	TH75-5B	1-130	1-140	No Data
		WY65	TH75-13B	1-130	1-141	No Data
		WY66	EQUITY 1	No Data	1-142	No Data
		WY67	TH75-18B	1-130	1-143	No Data
		WY68	TH75-10B	1-130	1-144	No Data
		WY69	TH75-9B	1-130	1-145	No Data
		WY70	EQUITY SIA	1-130	1-146	No Data
		WY71	CER RB-D-03	1-130	1-147	No Data
		WY72	TH75-15B	1-130	1-148	No Data
		WY75	TG-71-3	1-130	1-149	No Data
		WY76	TG-71-5	1-130	1-150	No Data
		WY77	GETTY 9-40	1-130	1-151	No Data
		WY78	TG-71-4	1-130	1-152	No Data
		WY79	EQUITY BS-13	1-130	1-153	No Data
Composite	Close-In	WV07	21X12	No Data	No Data	No Data
		WV08	22X-1	No Data	No Data	No Data
		WV09	43X-2	No Data	No Data	No Data
		WV10	TG-71-1	1-193	1-21	No Data
		WV37	AT-1A	1-193	1-21	No Data
	Remote	WV01	GREENO 404	1-193	1-194	No Data
		WV02	OLDLAND 3	1-193	No Data	No Data
		WV03	GP-17X-BG	1-193	No Data	No Data
		WV04	BUTE 25	1-193	No Data	No Data
		WV05	LIBERTY BELL 12	1-193	1-195	No Data
		WV06	TOSCO WELL	No Data	No Data	No Data
		WV40	AT-1B	No Data	1-21	No Data
UPC1	Close-In	WD02	CB-2	1-105	1-25	1-793
		WD11	SG-1A-2	1-105	1-27	1-793
		WD12	SG-1-2	1-105	1-28	1-466, 1-793
		WD14	14X-7-1	1-105	1-38	1-793
		WD15	14X-7-2	1-105	1-38	No Data
		WD17	SG-17-3	1-105	1-34	1-793
		WD18	SG-18A-3	1-105	1-35	1-793
		WD19	SG-19	1-105	1-25	No Data
		WD20	SG-20-3	1-106	1-36	1-466, 1-793
		WD21	SG-21-4	1-106	1-37	1-793
		WD41	AT-1D-3	1-106	1-23	1-793
		WD51	SG-10A-A	1-106	1-32	No Data
		WD52	SG-11-3	1-106	1-33	1-793
		WD57	SG-17-A	1-106	1-26	1-466, 1-793
		WD61	SG-6-3	1-106	1-29	1-793
		WD90	SG-10	1-106	1-26	1-466, 1-793
		WD91	SG-9-3	1-106	1-31	1-793

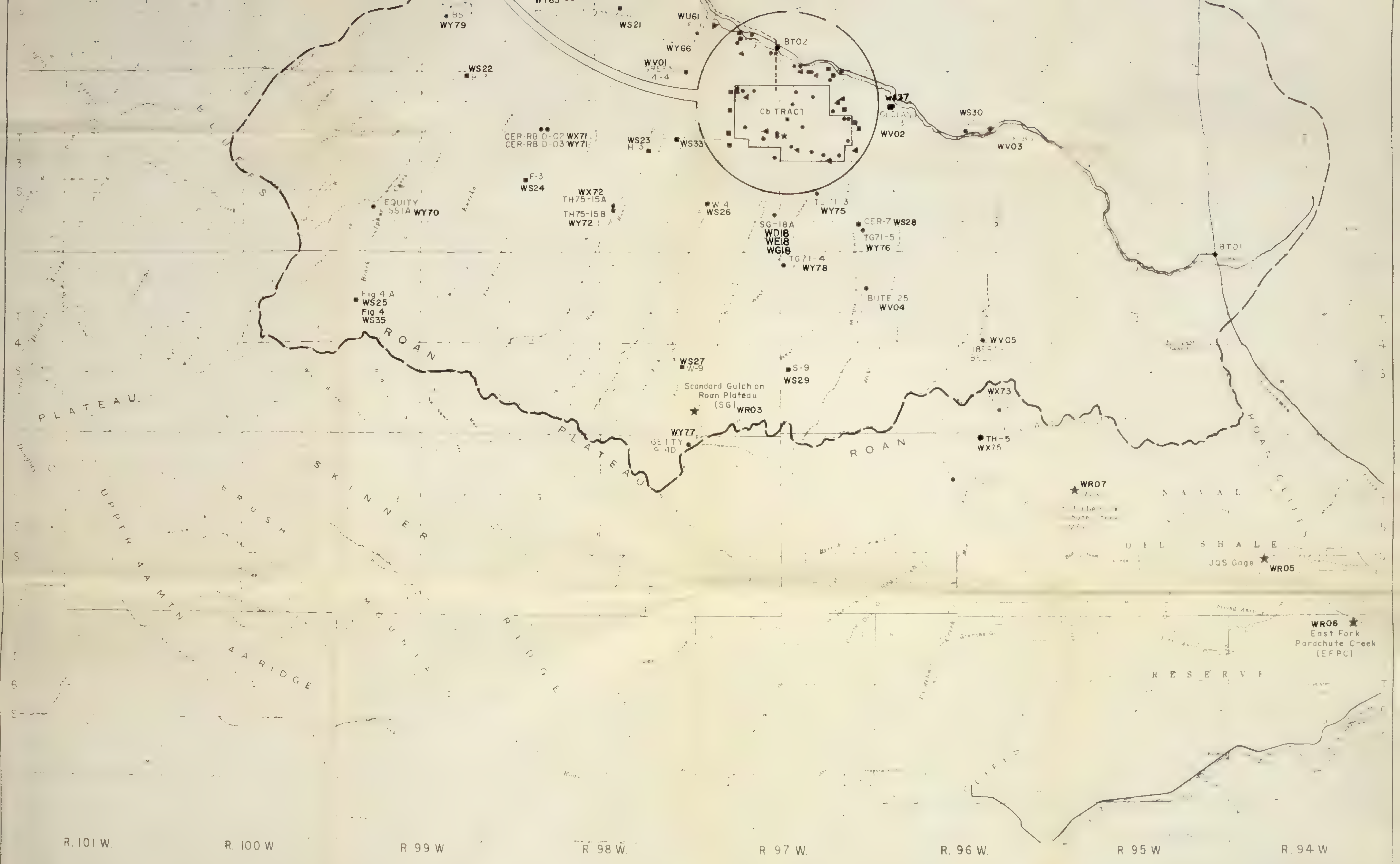
TABLE 2.2-2 (Contd)

Deep Well Index

Aquifer or Zone	General Location	Computer Code	Well Designation	Levels Data on Page	Levels Plot on Page	Water Quality Data on Page
	Close-In (Seepage)	WW13	41X-13	1-163	1-26	1-617, 1-841
		WW22	31X-12	1-163	1-26	1-617, 1-842
		WW32	32Y-12	1-163	No Data	1-617, 1-842
UPC2	Close-In	WE03	Cb-3	1-107	1-25	No Data
		WE04	Cb-4	1-107	1-26	1-801
		WE11	SG-1A-1	1-107	1-27	No Data
		WE17	SG-17-2	1-107	1-34	1-801
		WE18	SG-18-2	1-107	1-35	1-801
		WE20	SG-20-2	1-107	1-36	1-470, 1-801
		WE21	SG-21-3	1-107	1-37	1-801
		WE41	AT-1D-2	1-107	1-23	No Data
		WE51	SG-10A-2	1-107	1-32	1-801
		WE52	SG-11-2	1-107	1-33	1-801
		WE61	SG-6-1	1-107	1-29	1-801
		WE91	SG-9-2	1-107	1-31	No Data
		WX32	32X-12	1-103	No Data	1-462, 1-766
	Close-In (Injection)	WI17	24X-17	1-160	1-161	1-862
		WI18	11X18	No Data	No Data	1-862
		WI19	22X17	1-160	1-162	1-862
LPC3	Close-In	WG12	SG-1-1	1-131	1-28	1-556, 1-833
		WG17	SG-17-1	1-131	1-34	1-833
		WG18	SG-18A-1	1-131	1-35	1-833
		WG20	SG-20-1	1-131	No Data	1-556, 1-833
		WG21	SG-21-2	1-131	1-37	1-833
		WG41	AT-1D-1	1-131	1-23	1-833
		WG51	SG-10A-1	1-131	1-32	1-833
		WG52	SG-11-1	1-131	1-33	1-833
		WG61	SG-6-2	1-131	1-29	1-833
		WG91	SG-9-1	1-131	1-31	1-833
LPC4	Close-In	WH21	SG-21-1	1-131	1-37	1-833

WR06 ★
East Fork
Parachute Creek
(EFPC)


R. 100 W
R. 99 W
R. 98 W.
R. 97 W
R. 96 W
R. 95 W.
R. 94 W
N
W
E
S
WU55
WA01
WS06
WS66
WS07
WA02
WU58
AB20
AC20
WA05
WU42
WA06
WG20
WS03
WU07
WA07
WU39
WD19
WU36
WS01
WA08
WD12
WA03
WE11
WS08
WD01
WU52
WD02
WE03
WU22
WS36
WU28
WS31
WS09
WD61
WA11
WA09
WS02
WY81
WX44
WE91
WS04
WC51
WD52
AB23
WU50
WA04
WD10
WA13
WA10
WS32
WS10
WU33
WE04
WU15
WS34
WA12
A-12
WE17
CG-21
WH21
WU25
BT03
WU62
Meeker
Meeker 2
(M)
Little Hills
(LH) WR01
WX64
WY64
WU00
Cb Tract
Corral Gulch
CG WR04
WX67
WY67
WY68
WX69
WY69
WX65
WY65
WY79
WS21
WU61
WY66
BT02
WS22
WV01
WS37
Cb TRACT
WS30
WV02
WV03
CER RB
WX71
WY71
WS23
WS33
F-3
WS24
WX72
TH75-15A
TH75-15B
WY72
EQUITY
WY70
WS26
WY75
SG-18A
WD18
WE18
WG18
CER-7
WS28
TG71-5
WY76
TG71-4
WY78
BT01


WY79
WS21
WU61
WY66
BT02
WV01
WS22
Cb TRACT
WS37
WS30
WV02
WV03
CER-RB D-02 WX71
CER-RB D-03 WY71
WS23
H-3
WS33
F-3
WS24
WX72
TH75-15A
TH75-15B
WY72
EQUITY
SS1A
WY70
W-4
WS26
TG71-3
WY75
CER-7
WS28
SG-18A
WD18
WE18
WG18
TG71-5
WY76
TG71-4
WY78
BT01
BUTE 25
WV04
Fig 4 A
WS25
Fig 4
WS35
WV05
WS27
W-9
S-9
WS29
Scandard Gulch on Roan Plateau (SG)
WR03
WX73
WY77
GETTY
TH-5
WX75
WR07
JQS Gage
WR05
WR06
East Fork Parachute Creek (EFPC)
ROAN
PLATEAU
CLIFFS
SKINNER
BRUSH
UPPER
MTN
RIDGE
NAVAL
OIL
SHALE
RESERVE
R. 101 W.
R. 100 W
R 99 W
R 98 W.
R 97 W.
R. 96 W.
R 95 W
R. 94 W
5 Miles

(Base map supplied by the United States Geological Survey)

LEGEND

Symbol	Description
◆	Traffic counter stations
◀	Stream gaging station (prefix 0930 omitted from Station No.)
●	Observation well (may have multiple piezometers
■	Spring or seep
★	Precipitation station
——	Paved road
══ - - -	Other roads and trails
— —	Topographic basin of Piceance Creek

NOTES

See text Sec. B for explanation of monitoring station designations, types and frequency of measurements, and [illegible] measurements.

EXHIBIT A

KEY FEATURES OF HYDROLOGIC MONITORING PROGRAM FOR Cb TRACT

PICEANCE CREEK BASIN
WATER DIVISION NO. 5
STATE OF COLORADO

DECEMBER [illegible]

LEVELS AND FLOWS

2.2.1 Levels and Flows

This section presents hydrologic flows of surface streams, springs and seeps, and water levels in alluvial, bedrock wells and impoundments. Data for monitoring stations required by IMP, WAP, and NPDES documents are identified within each subsection.

Time series plots of bedrock wells monitored during this report period (June 1982 - December 1982) are presented first in this section. These plots display a history of well waters affected by mine water reinjection, discharge and seasonal changes during November 1980 through December 1982 of well strings grouped by well location. Table 2.2.1-1 lists deep well names with corresponding page number for the following level plots in this section. The reader should refer to Section 2.2.1.6, Figure 2.2.1.6-1 for the timing and amount of waters reinjected. Reinjection started in March 1981 and continued through June 1982.

Tabulated data then follow in the respective subsections.

TABLE 2.2.1-1

LIST OF DEEP WELL LEVELS TIME SERIES PLOTS

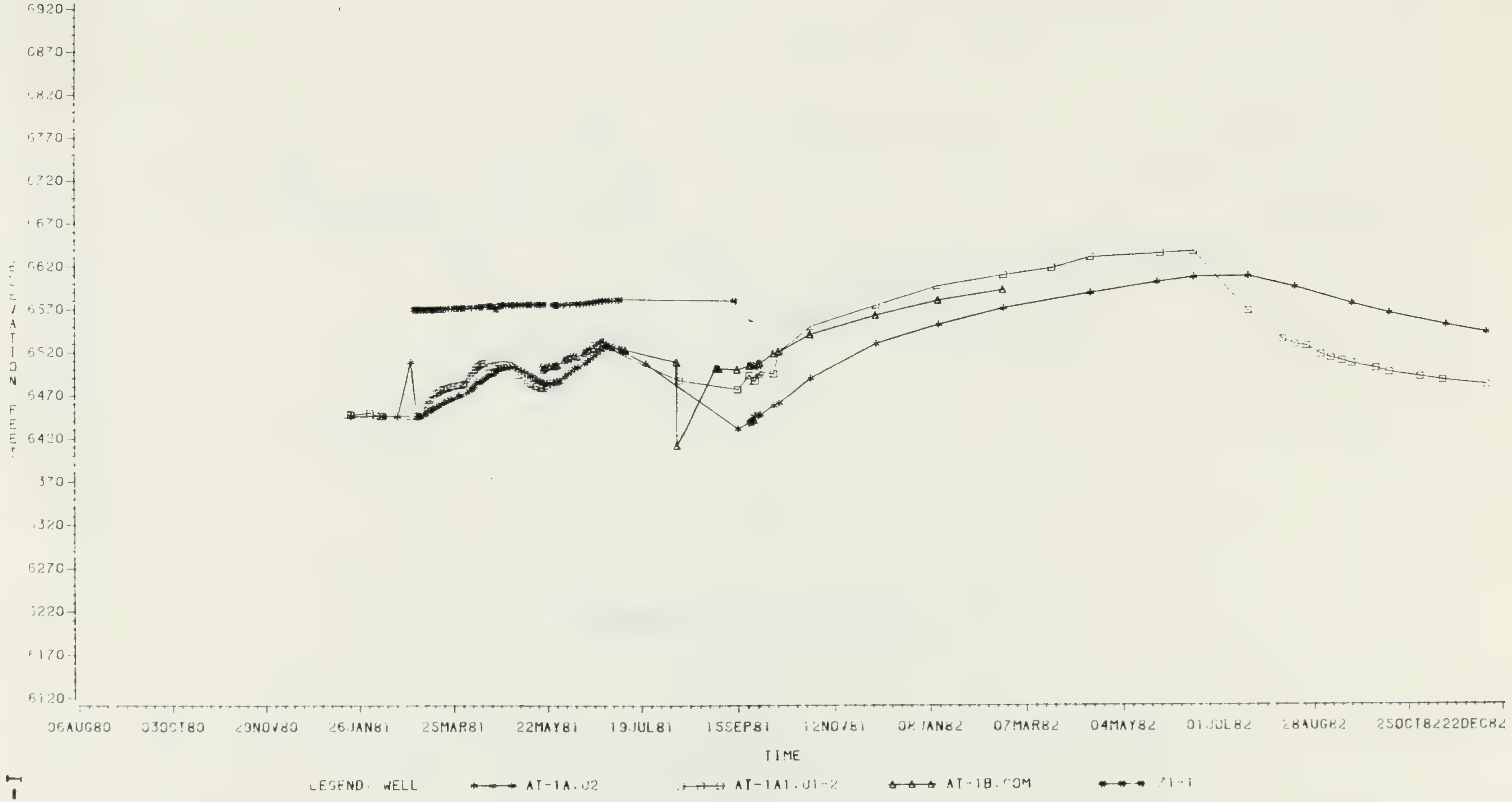
Well	Computer Code	Page No.
AT-1A	WV37	I-21
AT-1A-1	WX38	I-21
AT-1B	WV40	I-21
71-1	C201	I-21
AT-1C-1	WY45	I-22
AT-1C-2	WY46	I-22
AT-1C-3	WX44	I-22
AT-1	WY44	I-23
AT-1D-1	WG41	I-23
AT-1D-2	WE41	I-23
AT-1D-3	WD41	I-23
CB-1	WD01	I-24
32X-12	WX32	I-24
CB-2	WD02	I-25
CB-3	WE03	I-25
SG-19	WD19	I-25
CB-4	WE04	I-26
SG-10	WD90	I-26
SG-17A	WD57	I-26
31X12	WW22	I-26
41X13	WW13	I-26
SG-1A-1	WE11	I-27
SG-1A-2	WD11	I-27
SG-1-1	WG12	I-28
SG-1-2	WD12	I-28
SG-6-1	WE61	I-29
SG-6-2	WG61	I-29
SG-6-3	WD61	I-29
SG-8	WY81	I-30
SG-9-1	WG91	I-31
SG-9-2	WE91	I-31
SG-9-3	WD91	I-31
SG-9-4	WC91	I-31
SG-10A-Annulas	WD51	I-32
SG-10A-1	WG51	I-32
SG-10A-2	WE51	I-32
SG-11-1	WG52	I-33
SG-11-2	WE52	I-33
SG-11-3	WD52	I-33

TABLE 2.2.1-1 (Contd)

LIST OF DEEP WELL LEVELS TIME SERIES PLOTS

Well	Computer Code	Page No.
SG-17-1	WE17	I-34
SG-17-2	WG17	I-34
SG-17-3	WD17	I-34
SG-17-4	WC17	I-34
SG-18A-1	WG18	I-35
SG-18A-2	WE18	I-35
SG-18A-3	WD18	I-35
SG-20-2	WE20	I-36
SG-20-3	WD20	I-36
SG-21-1	WH21	I-37
SG-21-2	WG21	I-37
SG-21-3	WE21	I-37
SG-21-4	WD21	I-37
14X-7-1	WD14	I-38
14X-7-2	WD15	I-38

CB WELL LEVELS DATA



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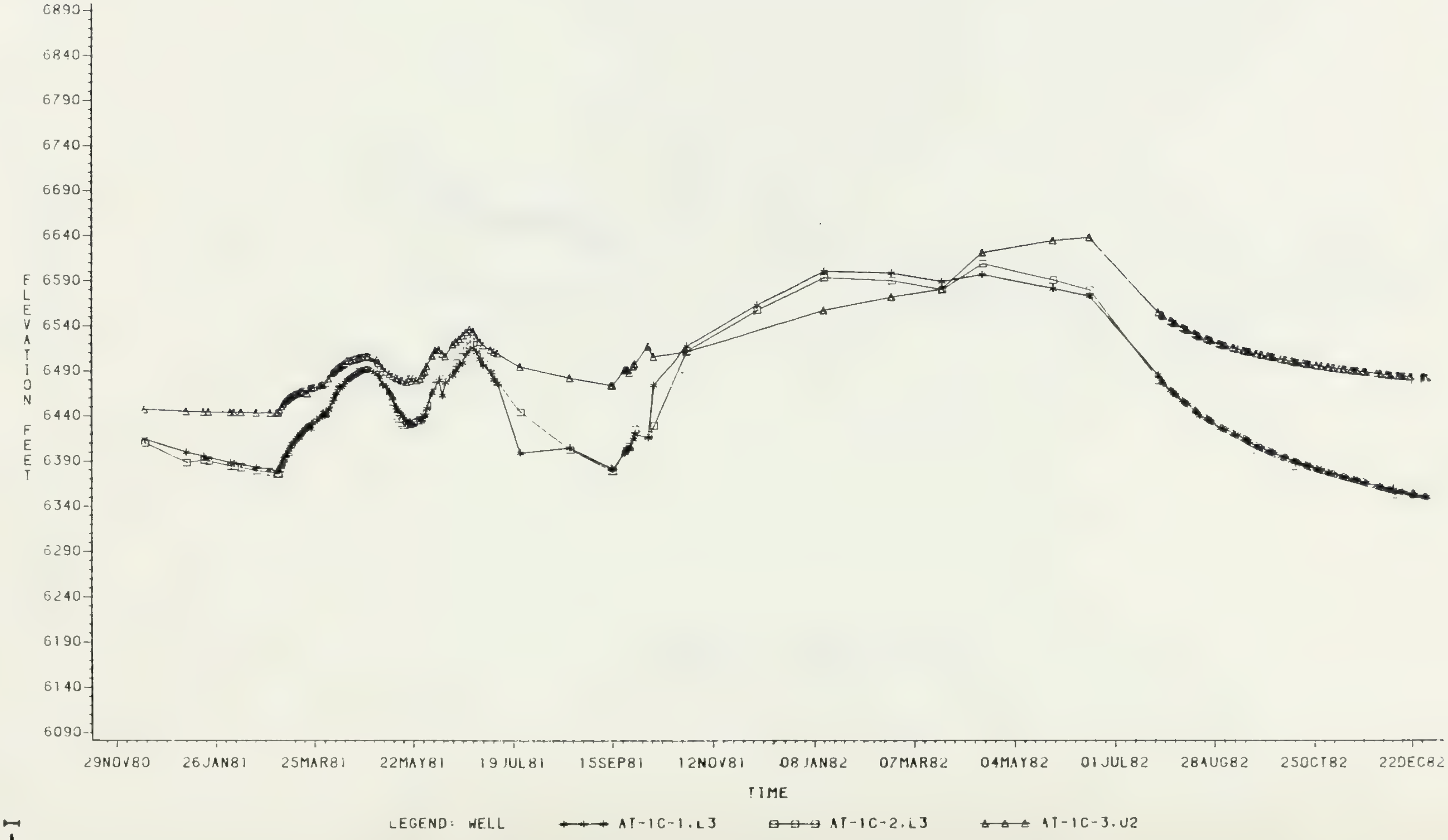

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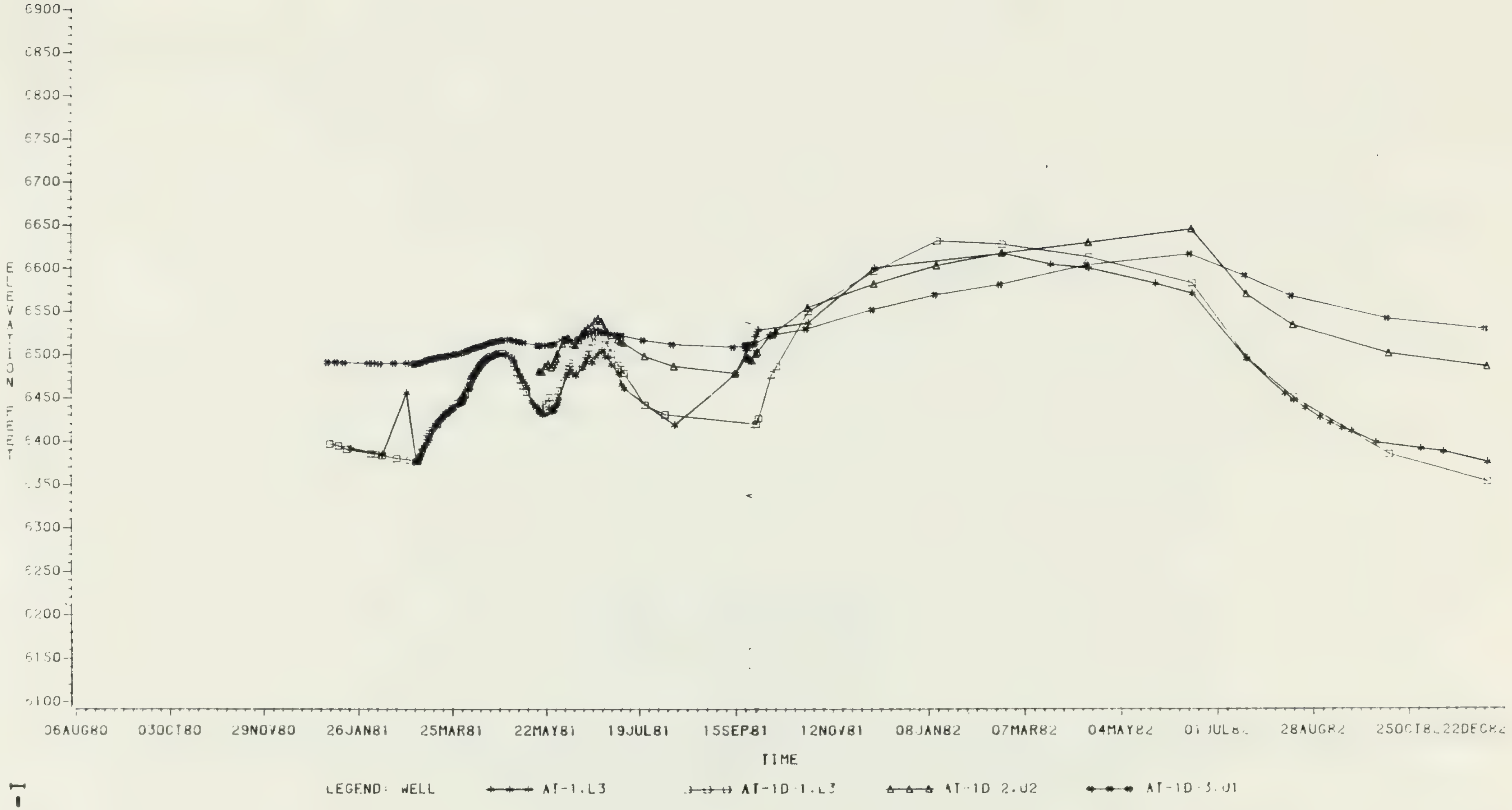

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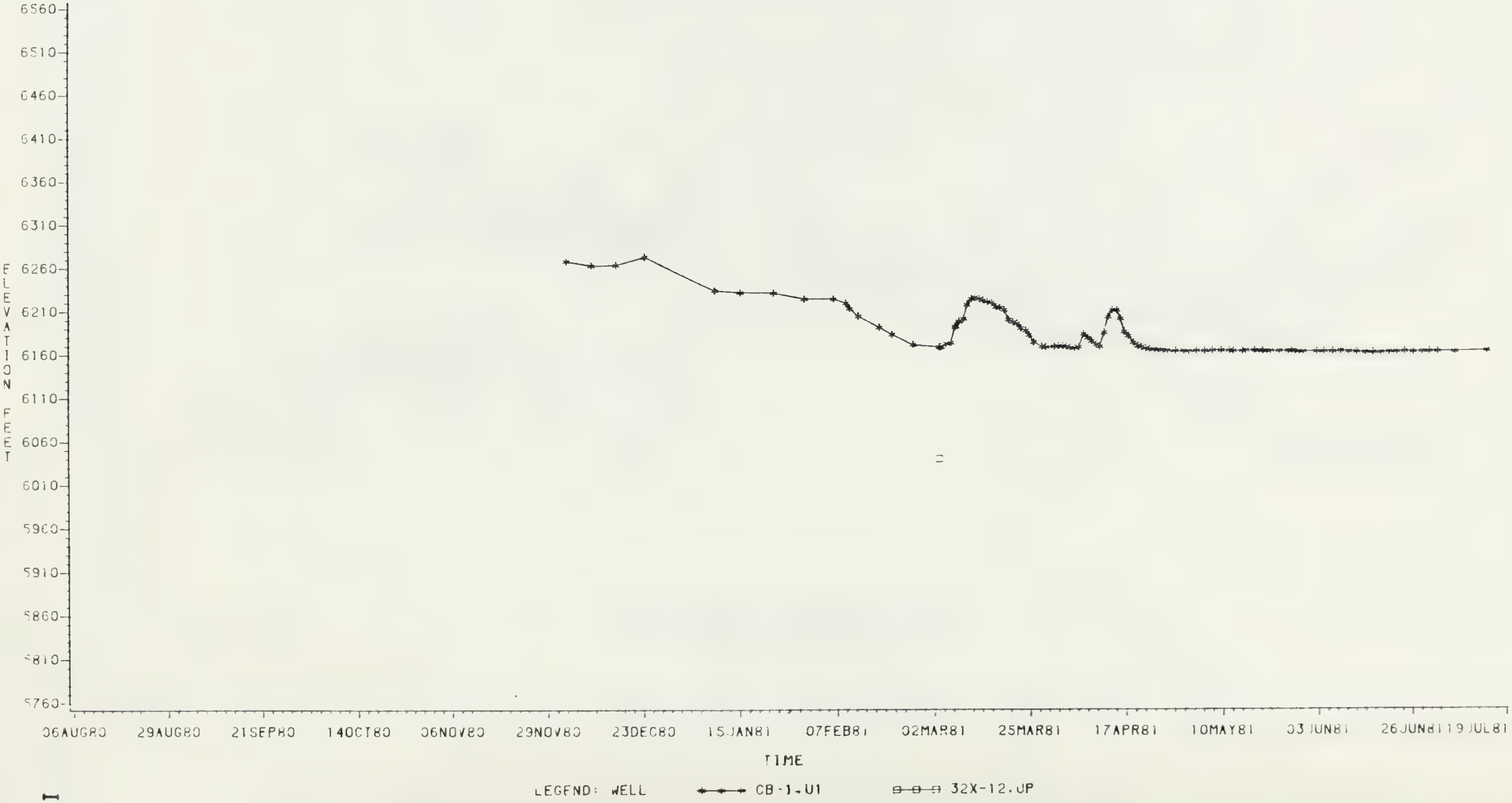

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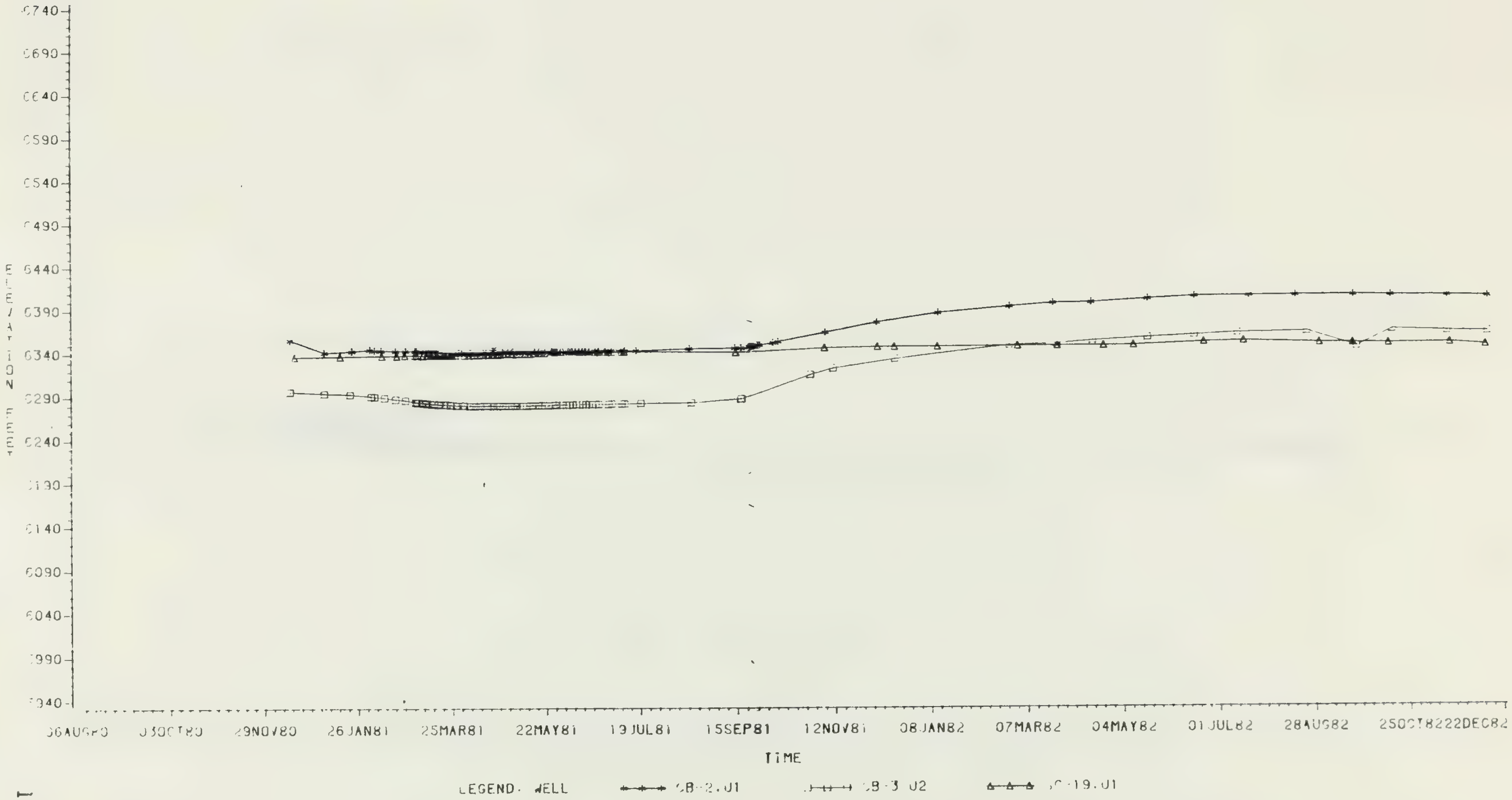

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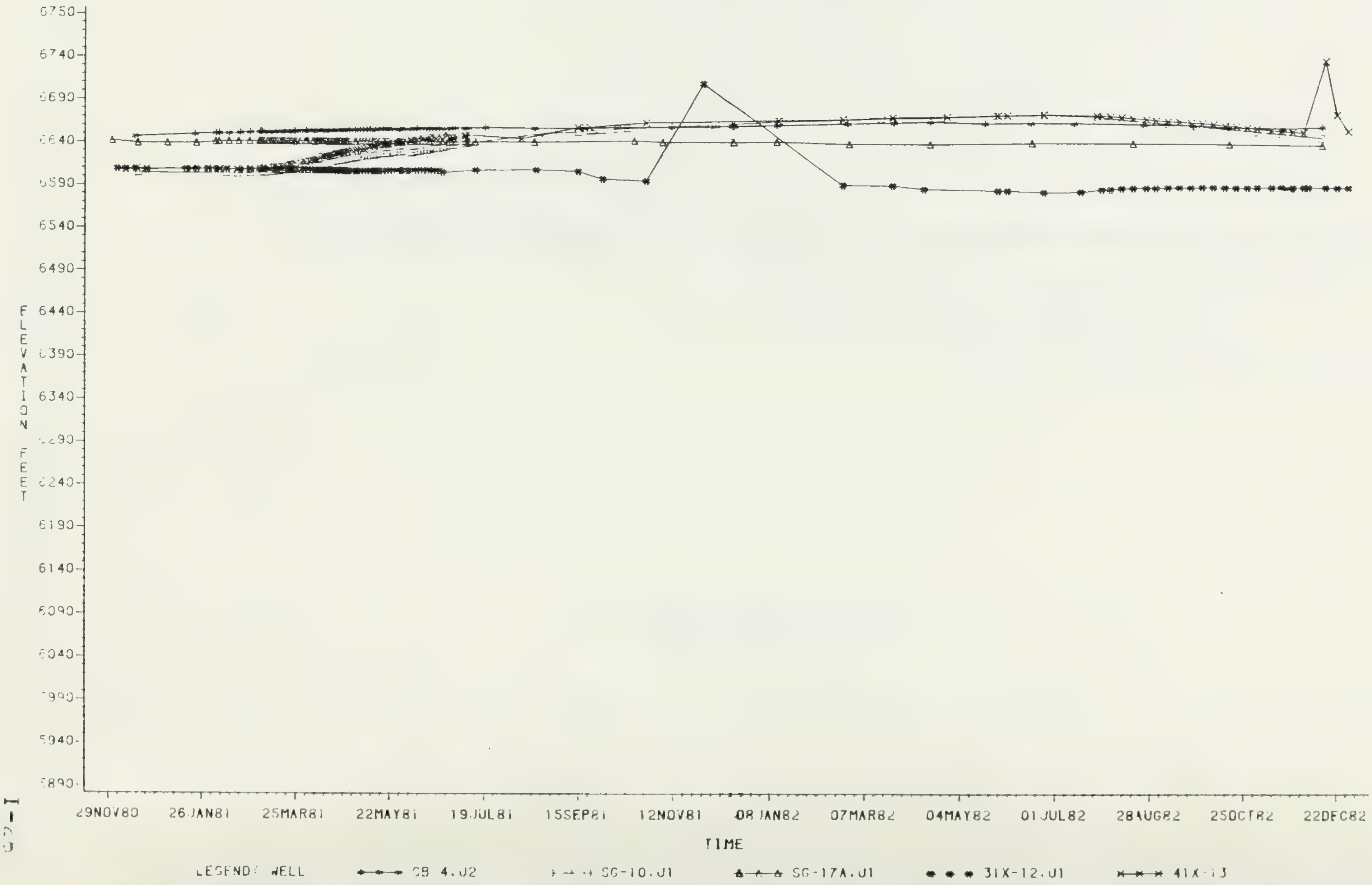

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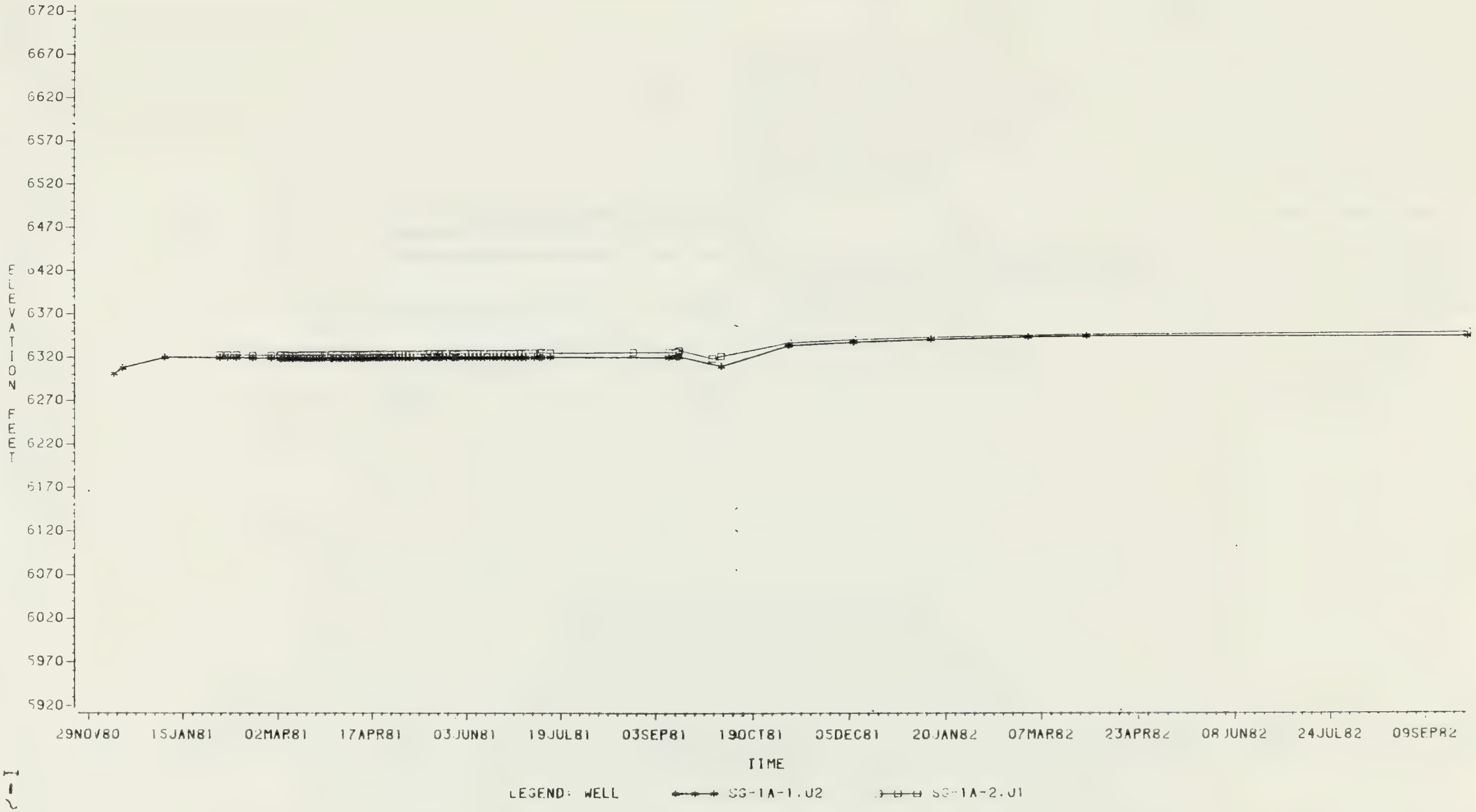

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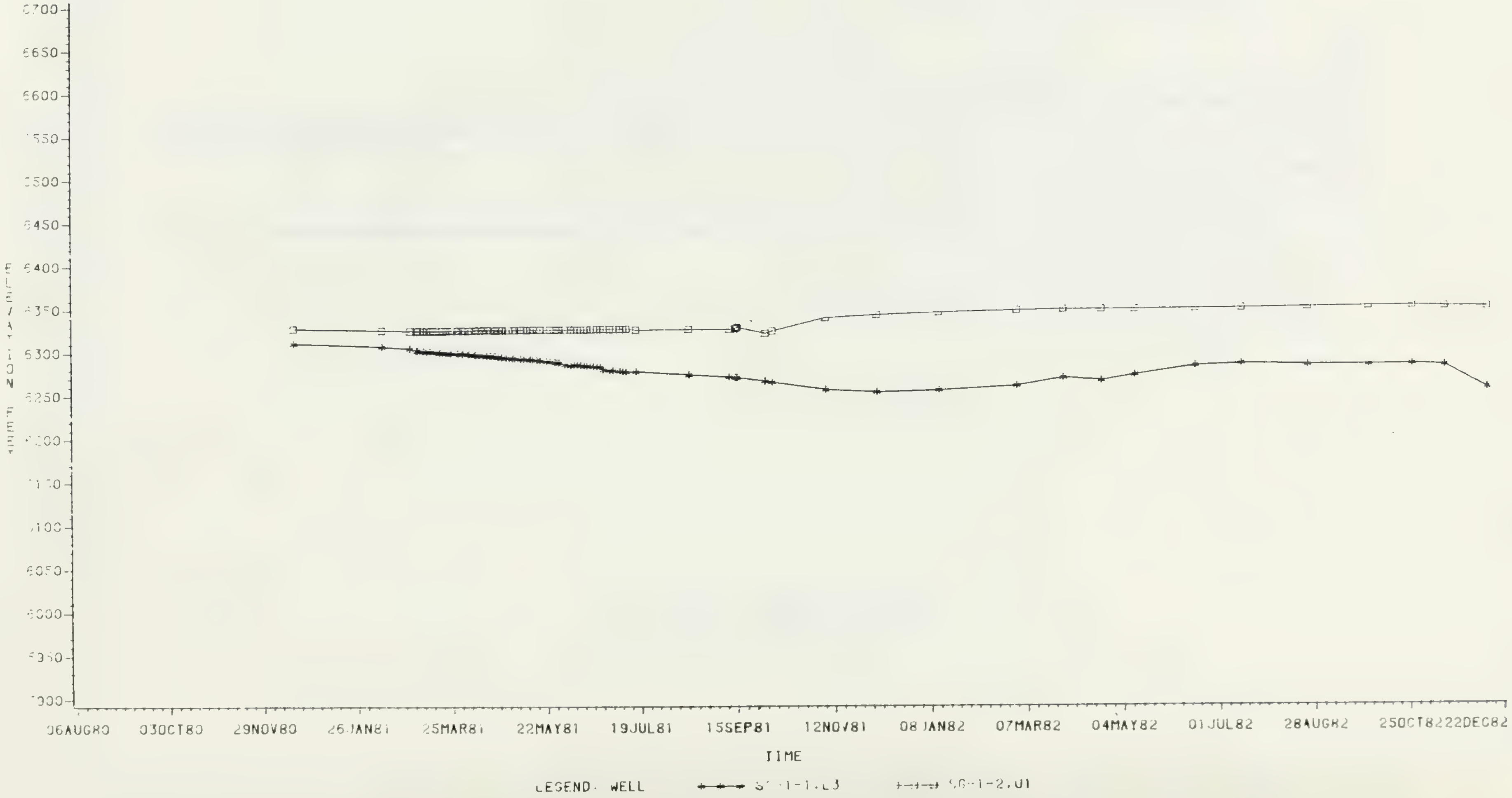

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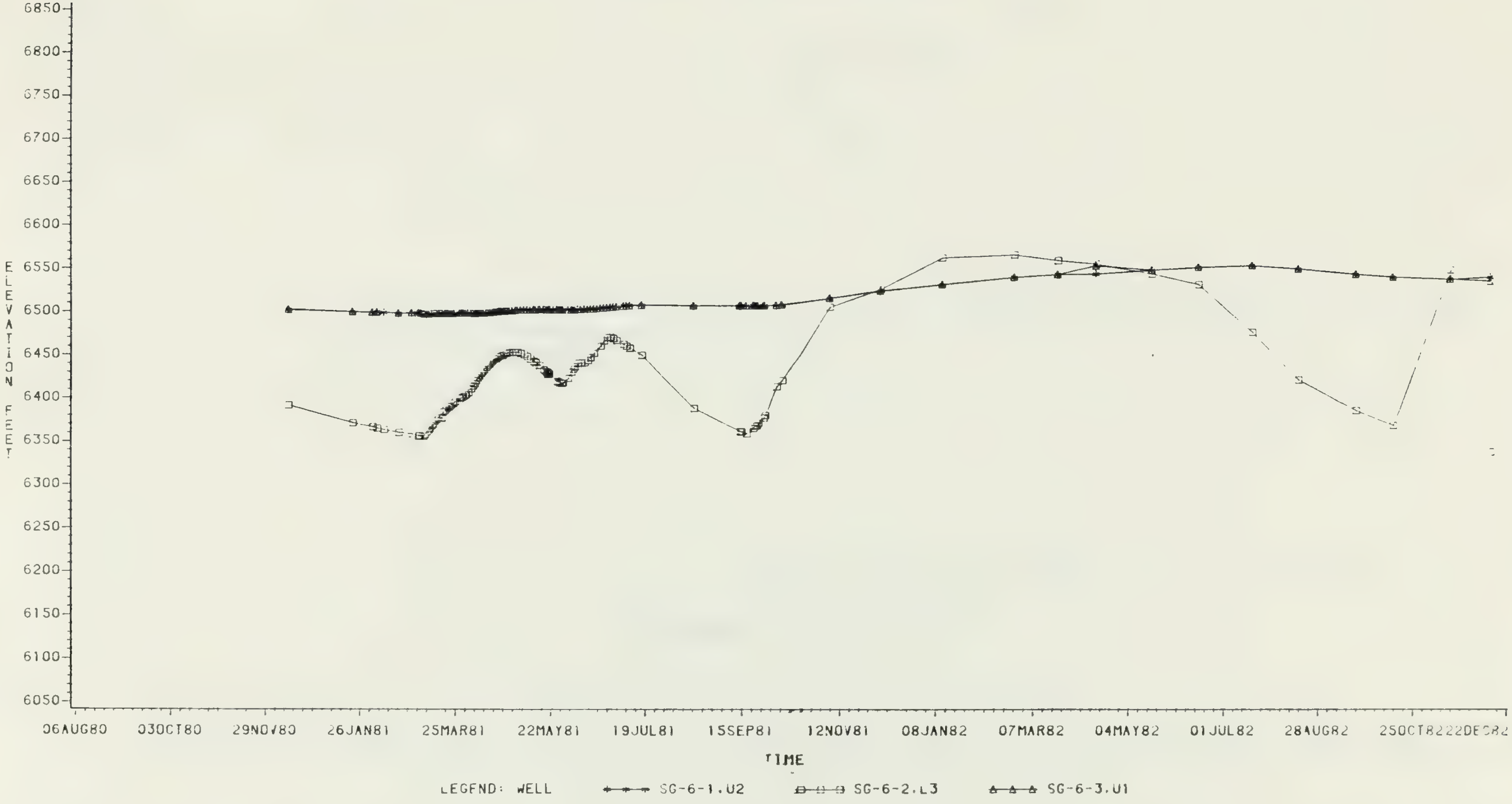

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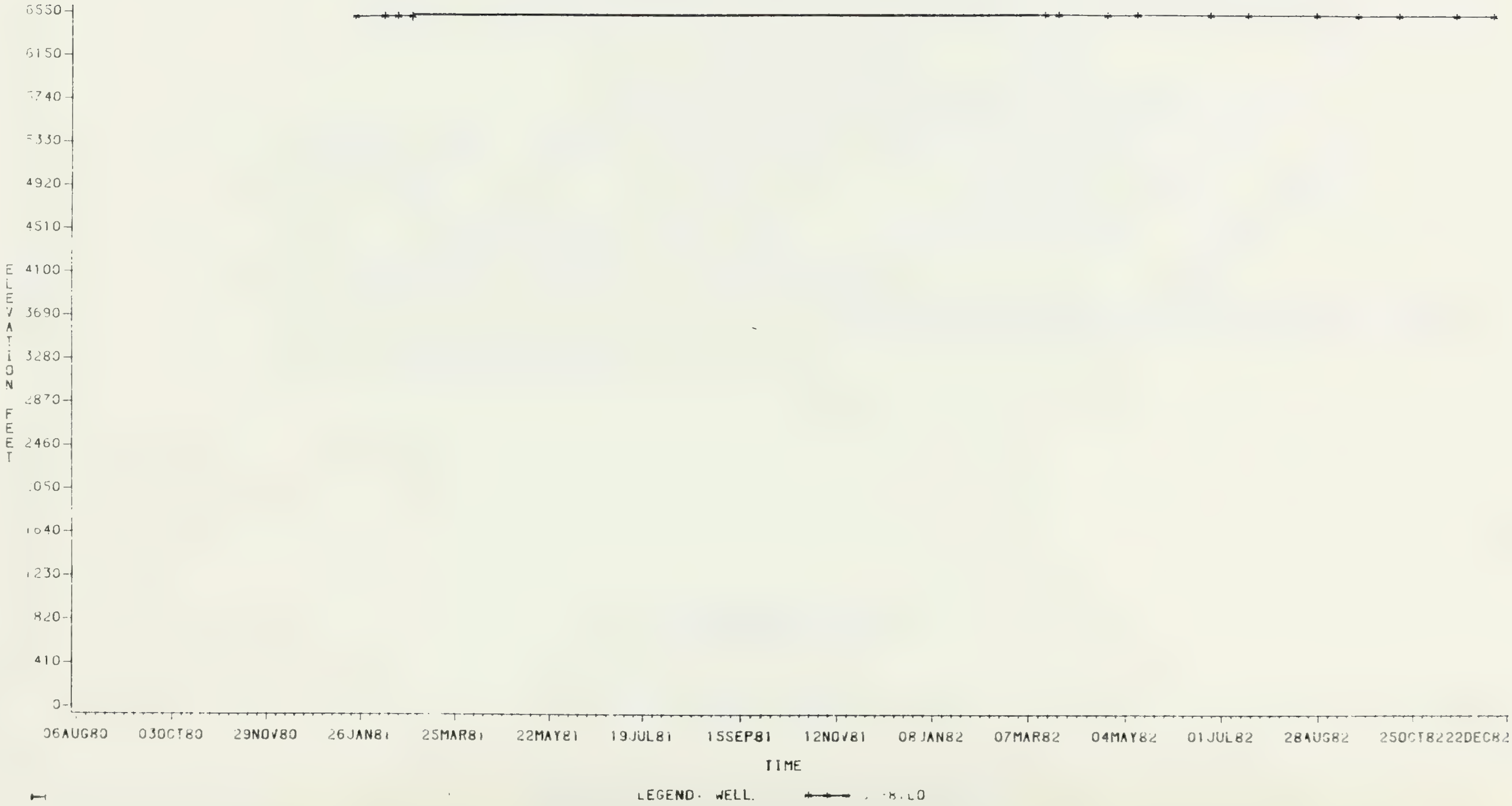

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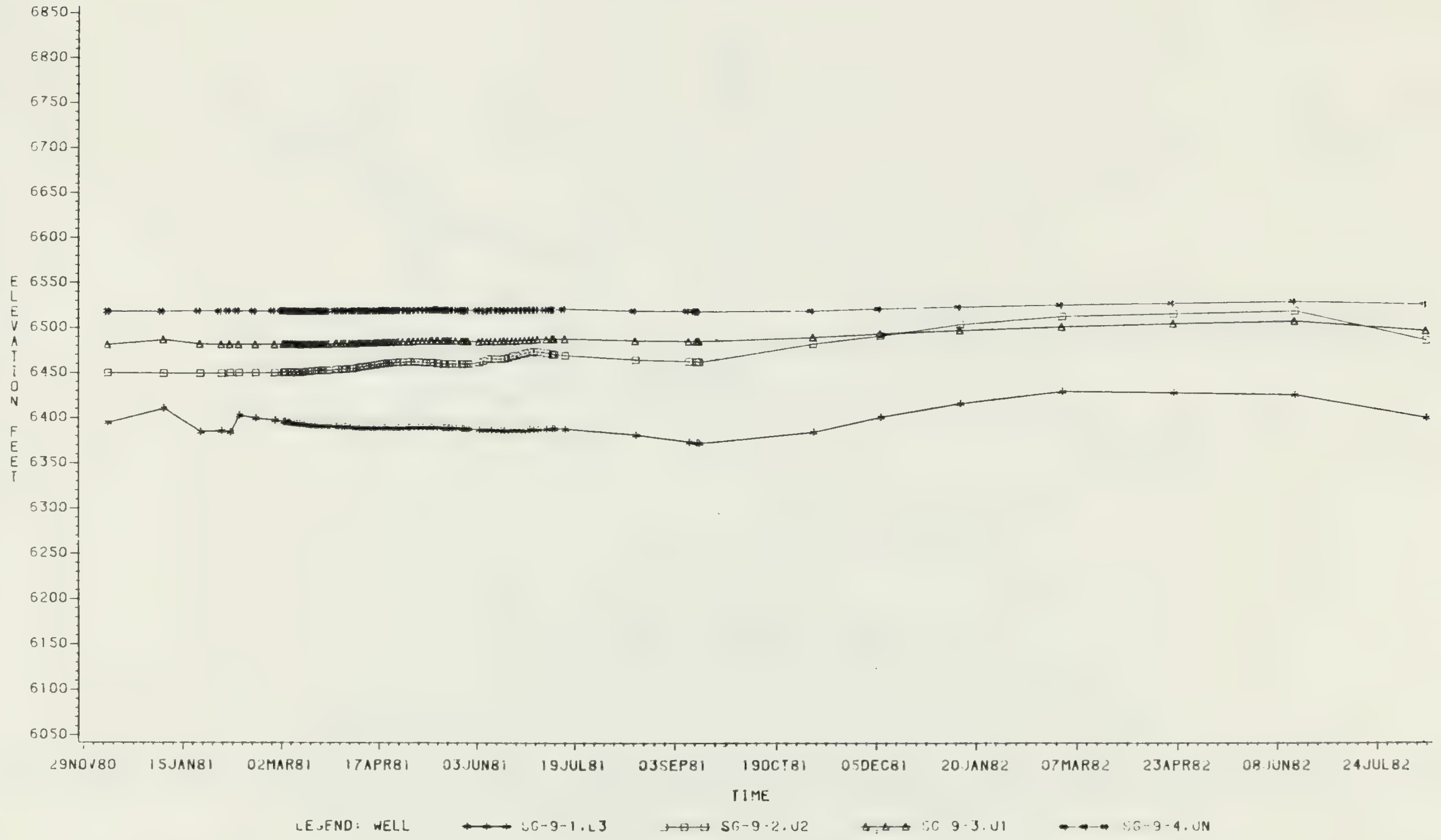

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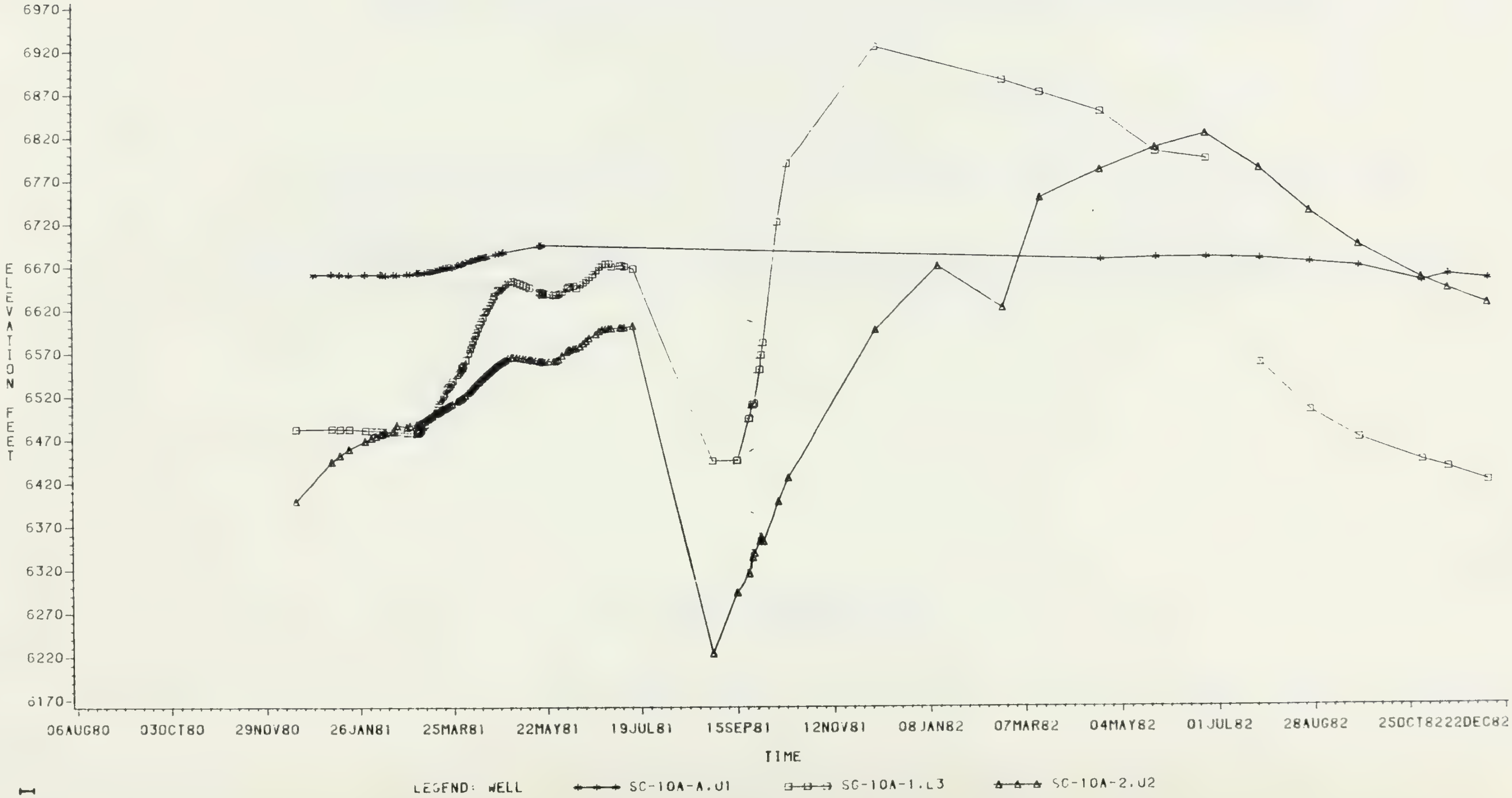

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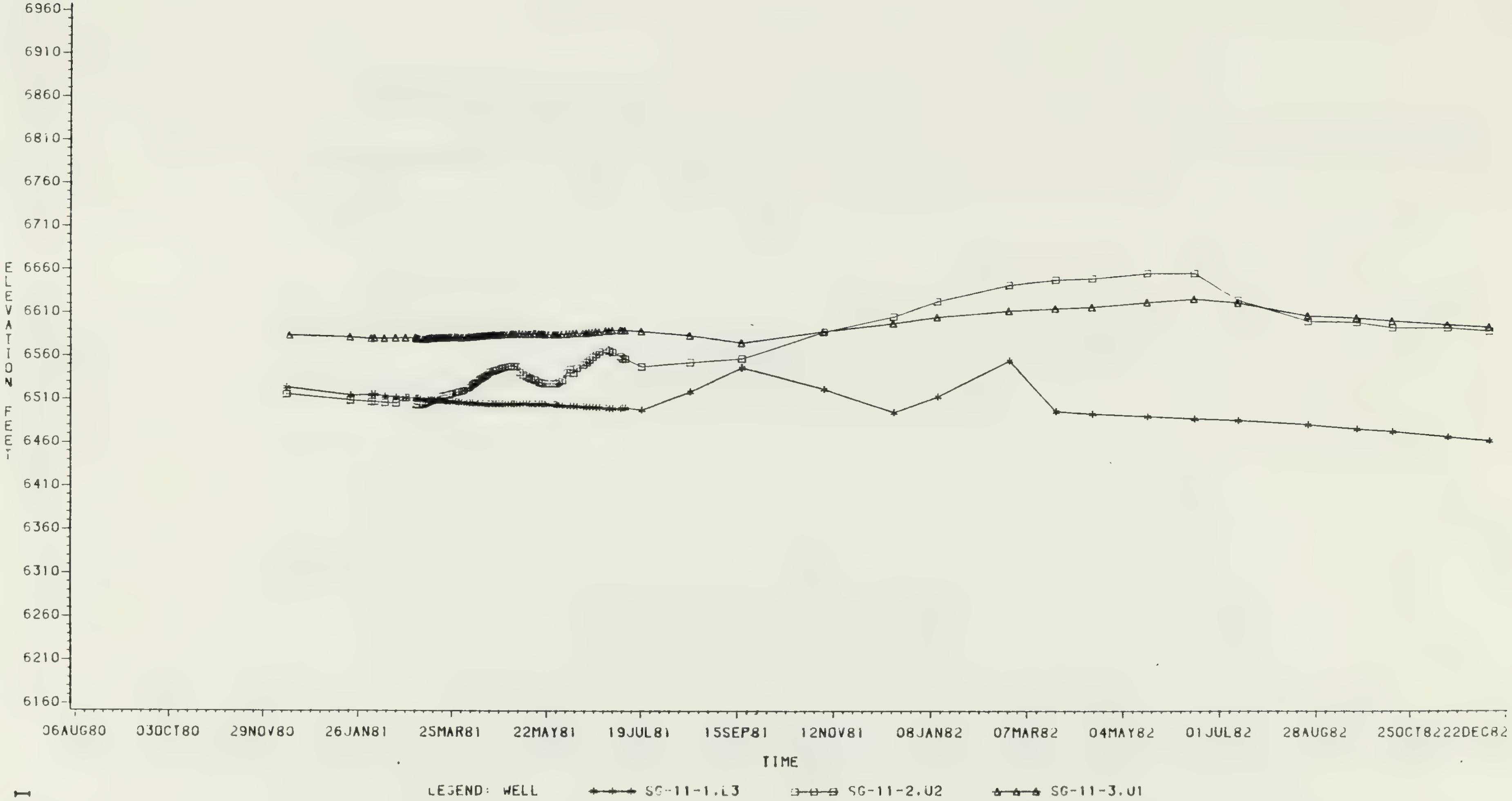

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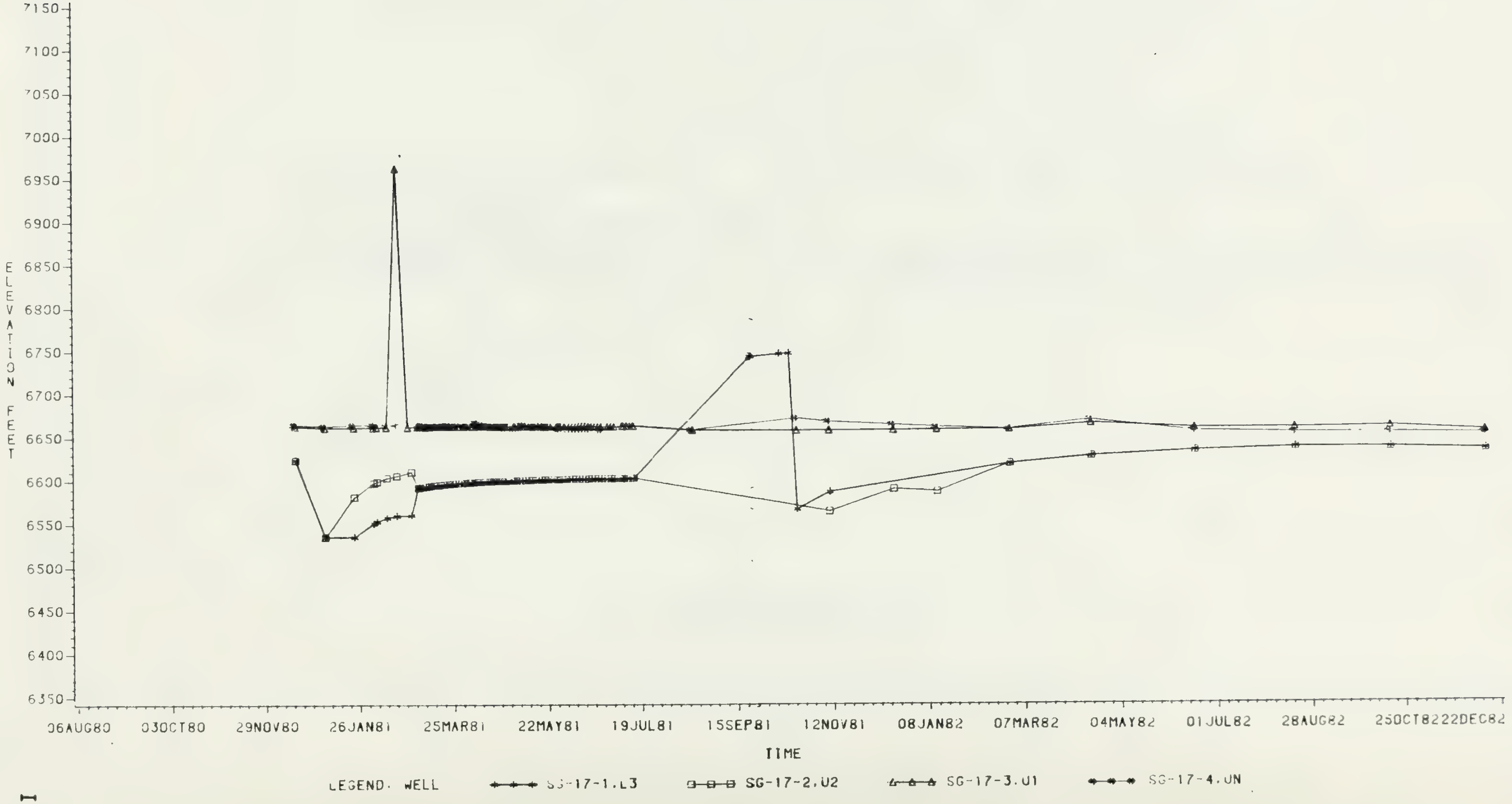

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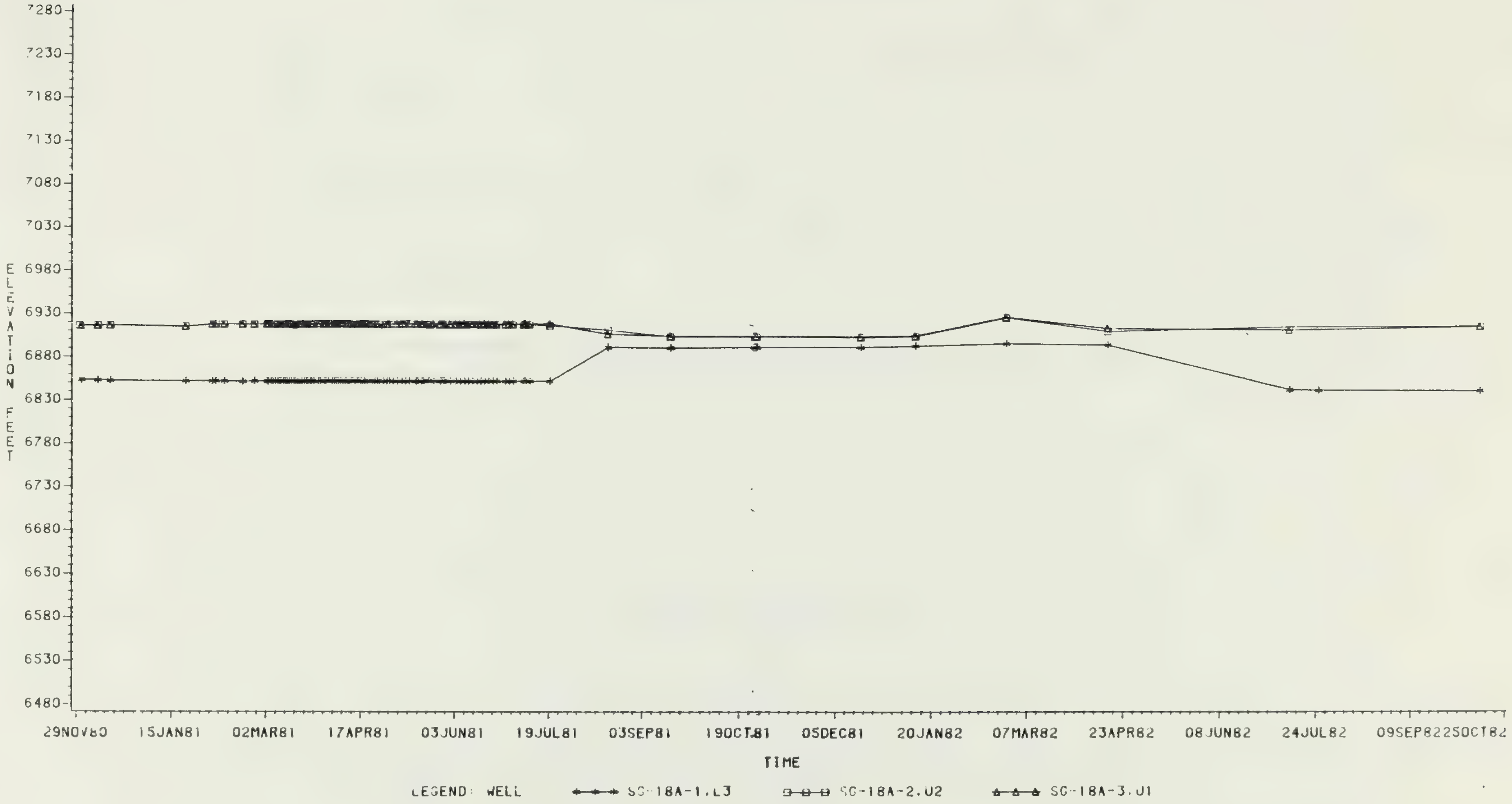

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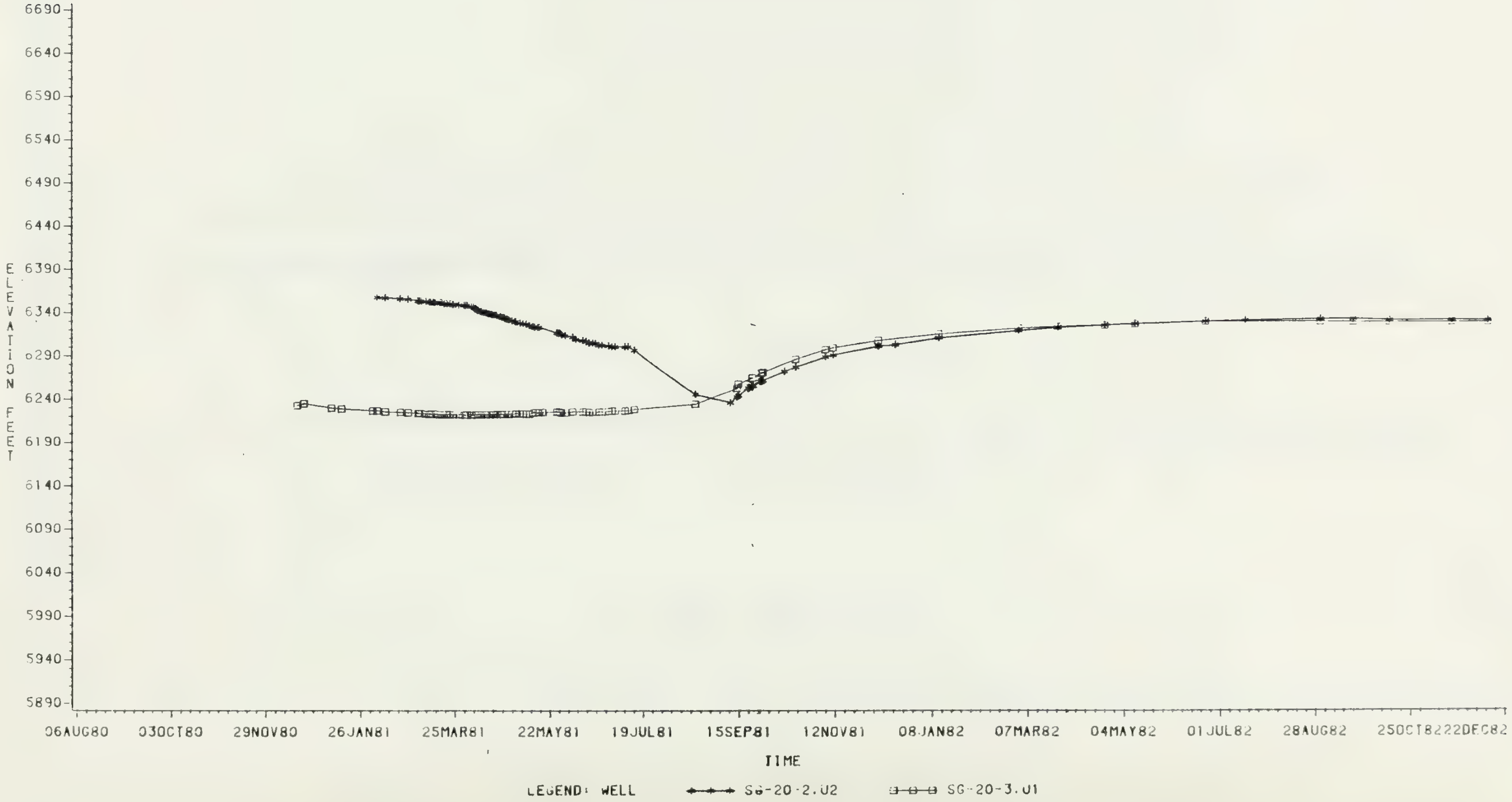

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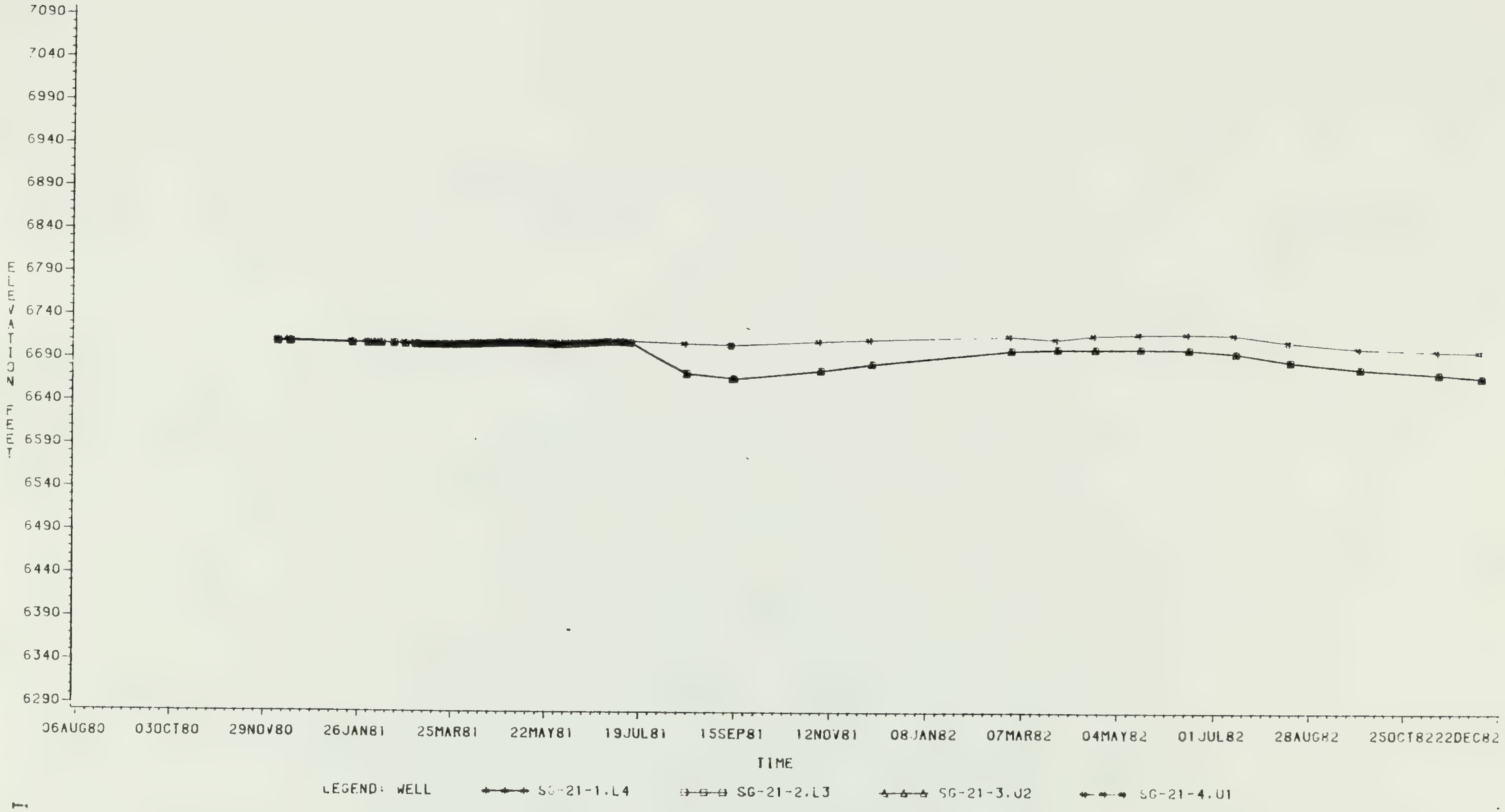

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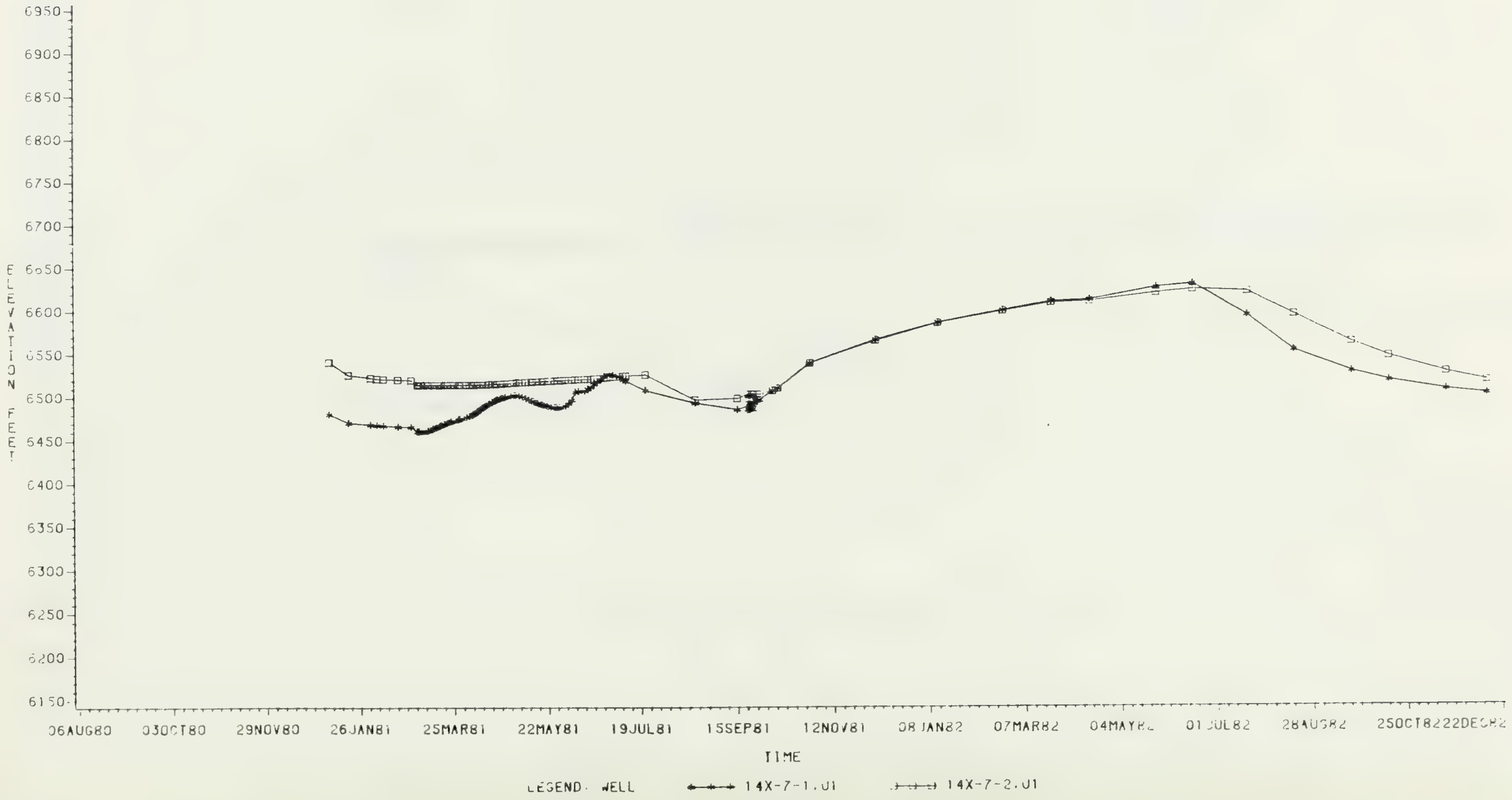


2.2.1.1 Surface Streams

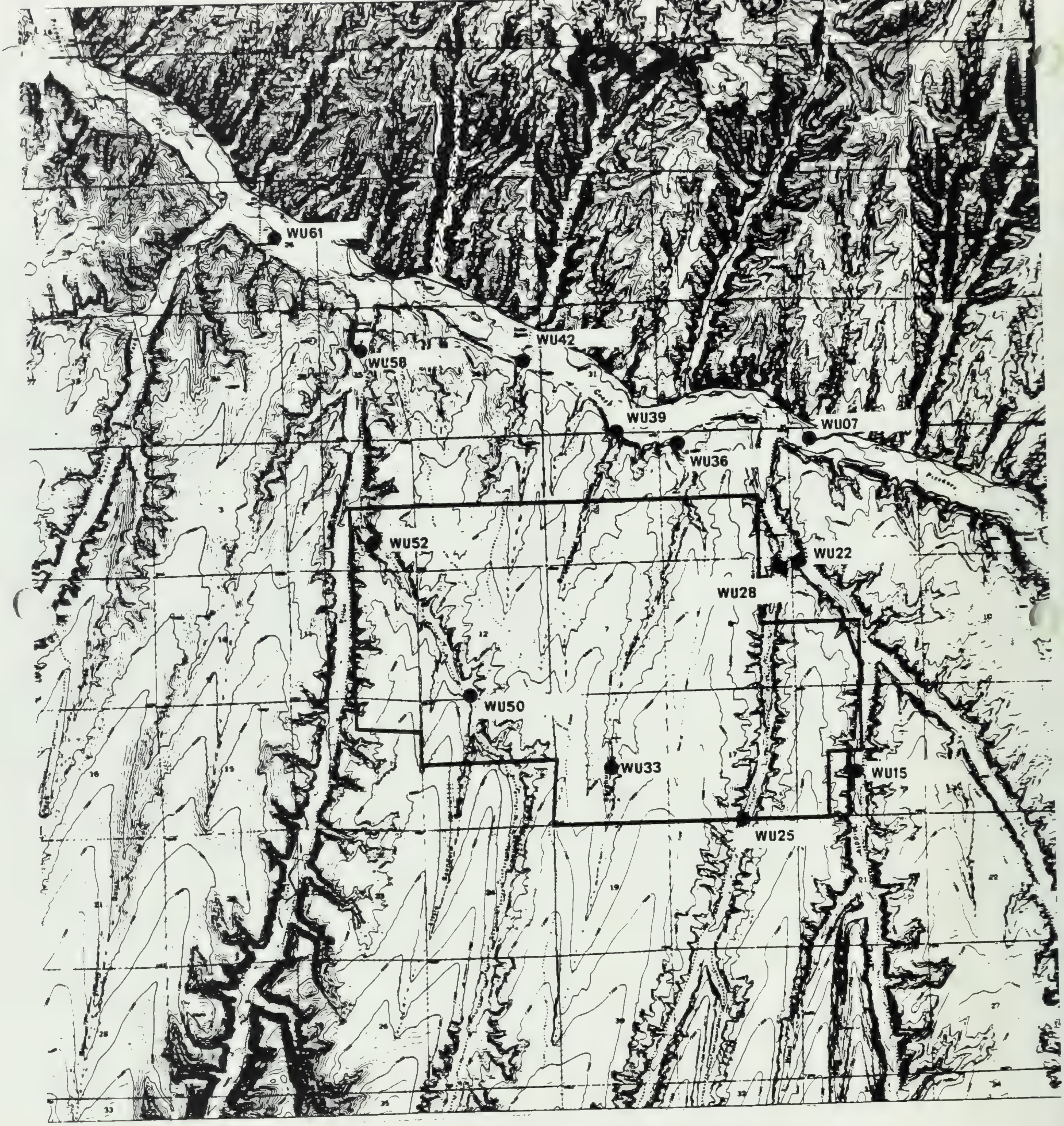
Daily mean discharge data for eight major surface water gauging stations monitored for the Interim Monitoring Program (IMP) are included in this section. Location of these monitoring stations are shown on Figure 2.2.1.1-1. Data presented cover 1982 water year, October 1981 through September 1982. The following table lists stations and the pages summarizing data.

TABLE 2.2.1.1-1

Guide for Surface Water Gauging Stations
Discharge Data

Computer Code	Stations for Interim Monitoring	Tabulated Data Presented On Page
WU07	09306007	I-41
WU22	09306022	I-42
WU36	09306036	I-43
WU39	09306039	I-44
WU42	09306042	I-45
WU52	09306052	I-46
WU58	09306058	I-47
WU61	09306061	I-48

Stations WU15, WU25, WU28, WU33, WU45, and WU50 were discontinued during the Interim Monitoring Program.


WU61
WU42
WU58
WU39
WU07
WU36
WU52
WU22
WU28
WU50
WU33
WU15
WU25

U.S.G.S STREAM GAUGE DEVELOPMENT MONITORING NETWORK

Figure 2.2.1.1-1

DISCHARGE IN CFS, WATER YEAR 1982 MEAN VALUES FOR 9306007

PICEANCE CREEK BELOW RIO BLANCO, CO.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT
1	3.2	6.3	7.1	6.1	5.9	8.2	11.0	5.5	7.4	3.10	4.2	10.0
2	3.3	5.8	7.1	5.5	6.0	10.0	11.0	6.2	7.0	2.8	6.4	10.0
3	4.2	5.7	6.8	5.3	5.8	11.0	9.9	9.5	7.1	1.5	6.1	9.8
4	4.2	5.4	6.7	5.3	5.8	11.0	9.9	16.0	4.8	1.3	7.9	9.7
5	5.1	4.9	6.6	5.3	5.8	10.0	9.3	20.0	4.0	1.6	8.9	10.0
6	4.8	5.6	6.6	5.3	5.8	9.5	10.0	16.0	7.4	2.2	10.0	13.0
7	4.7	7.0	6.8	5.3	5.8	10.0	9.5	10.0	6.5	2.8	11.0	12.0
8	4.7	7.3	6.8	5.3	5.8	9.6	8.6	8.4	5.7	3.9	11.0	12.0
9	4.2	7.0	6.8	5.3	5.8	9.1	8.6	6.9	6.5	4.9	11.0	12.0
10	4.8	6.5	6.7	5.3	5.8	9.2	8.8	7.3	6.7	4.9	13.0	12.0
11	4.9	8.5	6.5	5.4	5.8	8.8	9.3	7.2	7.8	5.6	16.0	13.0
12	5.1	9.0	6.6	5.3	5.7	13.0	9.5	11.0	7.7	5.8	29.0	13.0
13	5.4	9.0	6.8	5.4	5.7	15.0	9.6	21.0	7.2	5.7	16.0	13.0
14	5.7	9.1	6.7	5.4	5.6	18.0	8.3	24.0	8.9	6.0	13.0	14.0
15	6.2	9.1	6.7	5.4	5.7	22.0	11.0	18.0	7.8	7.0	12.0	13.0
16	6.8	8.7	6.8	5.4	5.8	18.0	12.0	15.0	6.7	6.1	12.0	12.0
17	5.5	8.6	6.4	5.6	6.1	13.0	8.9	13.0	6.3	5.0	12.0	12.0
18	5.6	9.0	6.5	5.6	6.3	14.0	8.7	12.0	4.8	4.7	15.0	12.0
19	5.2	8.9	6.6	5.7	6.6	13.0	7.6	15.0	3.4	4.3	12.0	12.0
20	5.1	9.0	6.8	5.8	7.6	12.0	6.8	16.0	5.5	5.1	12.0	12.0
21	5.2	8.7	7.1	5.8	9.1	9.9	5.6	14.0	5.4	4.2	11.0	12.0
22	5.4	8.7	6.6	5.8	11.0	9.4	4.8	14.0	4.3	3.9	12.0	12.0
23	5.8	8.6	6.5	5.8	12.0	8.4	4.7	13.0	4.1	3.4	12.0	11.0
24	5.8	8.4	6.5	5.9	8.9	8.1	5.2	11.0	3.1	3.6	11.0	10.0
25	4.9	8.4	6.3	5.6	8.7	7.7	5.3	9.2	2.5	4.1	11.0	11.0
26	5.0	7.8	6.3	5.8	8.5	8.3	4.2	12.0	2.7	4.7	12.0	12.0
27	4.7	7.6	6.3	5.7	8.4	8.7	2.8	16.0	2.5	5.4	11.0	12.0
28	4.6	7.6	6.2	5.9	8.2	9.3	2.4	8.8	2.2	5.3	11.0	12.0
29	5.2	7.4	6.2	5.9		11.0	1.9	7.0	2.7	4.7	11.0	13.0
30	6.8	7.4	6.2	5.8		9.3	3.4	9.4	2.4	4.3	11.0	13.0
31	6.3		6.1	5.8		8.6		9.5	0.0	4.0	11.0	0.0
TOTAL *	158.4	231.0	204.7	172.8	194.0	343.1	228.6	381.9	161.1	131.9	362.5	354.5

WATER YEAR TOTAL 2924.5 MEAN 8.01

Preliminary Record

*CFS - Days

DISCHARGE IN CFS, WATER YEAR 1[illegible]2 MEAN VALUES FOR 9306022

STEWART GULCH ABOVE WEST FORK NR RIO BLANCO, CO.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT
1	0.94	0.90	1.2	1.3	1.5	1.7	1.7	1.8	1.6	1.4	1.2	1.20
2	0.94	0.96	1.2	1.3	1.5	1.7	1.7	1.8	1.6	1.4	1.2	1.20
3	1.00	0.97	1.2	1.3	1.5	1.7	1.7	1.8	1.6	1.3	1.2	1.20
4	1.00	1.00	1.1	1.3	1.4	1.6	1.7	1.8	1.6	1.3	1.2	1.20
5	1.00	1.00	1.1	1.3	1.4	1.6	1.7	1.7	1.6	1.3	1.2	1.30
6	0.95	1.00	1.1	1.3	1.4	1.6	1.8	1.7	1.6	1.3	1.2	1.30
7	0.95	1.10	1.1	1.3	1.4	1.5	1.7	1.7	1.6	1.3	1.2	1.40
8	1.00	1.10	1.1	1.3	1.4	1.5	1.7	1.7	1.6	1.3	1.3	1.40
9	1.00	1.10	1.1	1.3	1.4	1.5	1.6	1.6	1.6	1.3	1.3	1.40
10	0.95	1.10	1.1	1.3	1.4	1.6	1.6	1.6	1.6	1.3	1.3	1.40
11	1.00	1.10	1.1	1.3	1.4	1.6	1.6	1.5	1.6	1.3	1.2	1.40
12	1.00	1.00	1.1	1.3	1.4	1.6	1.6	1.5	1.6	1.3	1.3	1.50
13	1.00	1.00	1.1	1.3	1.4	1.6	1.6	1.6	1.6	1.3	1.2	1.50
14	0.95	1.00	1.1	1.3	1.6	1.7	1.6	1.6	1.6	1.3	1.2	1.40
15	0.95	1.00	1.2	1.3	1.7	1.7	1.7	1.6	1.6	1.3	1.2	1.30
16	0.95	1.00	1.2	1.3	1.8	1.7	1.6	1.6	1.6	1.3	1.2	1.20
17	0.95	1.00	1.2	1.4	1.9	1.7	1.6	1.6	1.6	1.3	1.2	1.20
18	0.89	1.10	1.2	1.4	1.8	1.7	1.6	1.6	1.6	1.3	1.3	1.20
19	0.89	1.10	1.2	1.4	1.8	1.6	1.6	1.7	1.6	1.3	1.3	1.20
20	0.89	1.10	1.2	1.4	2.0	1.6	1.7	1.6	1.6	1.3	1.2	1.20
21	0.89	1.10	1.2	1.4	2.2	1.6	1.8	1.6	1.6	1.3	1.3	1.20
22	0.89	1.10	1.2	1.4	2.8	1.6	1.8	1.6	1.4	1.2	1.4	1.20
23	0.89	1.10	1.3	1.4	2.1	1.6	1.8	1.6	1.3	1.2	1.4	1.20
24	0.89	1.10	1.3	1.4	1.8	1.6	1.8	1.6	1.3	1.2	1.3	1.10
25	0.89	1.10	1.3	1.4	1.8	1.6	1.8	1.6	1.3	1.2	1.4	0.94
26	0.89	1.10	1.3	1.5	1.8	1.6	1.8	1.6	1.3	1.2	1.4	1.10
27	0.89	1.20	1.3	1.4	1.8	1.6	1.8	1.6	1.3	1.2	1.4	1.20
28	0.96	1.20	1.3	1.5	1.8	1.6	1.8	1.6	1.3	1.2	1.4	1.20
29	0.96	1.20	1.3	1.4		1.7	1.8	1.7	1.3	1.2	1.3	1.20
30	0.96	1.20	1.3	1.5		1.7	1.8	1.7	1.3	1.2	1.3	1.30
31	0.96		1.3	1.5		1.7		1.7	0.0	1.2	1.3	0.00
TOTAL*	29.30	32.03	37.0	42.2	47.2	50.4	51.1	51.0	45.4	39.5	39.5	37.74

WATER YEAR TOTAL 502.37 MEAN 1.38

*CFS-Days

Preliminary Record

DISCHARGE IN CFS, WATER YEAR 1[illegible] MEAN VALUES FOR 9306036
SORGHUM GULCH AT MOUTH NR RIO BLANCO, CO.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT
1											0.0	0.00
2											0.02	0.00
3											0.0	0.00
4											0.0	0.00
5											0.0	0.00
6											0.0	0.00
7											0.0	0.00
8											0.0	0.00
9											0.0	0.21
10											0.0	0.00
11											0.0	0.00
12											0.0	0.00
13											0.0	0.00
14											0.0	0.00
15											0.0	0.00
16											0.0	0.00
17											0.02	0.00
18											0.0	0.00
19											0.0	0.00
20	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
21											0.0	0.00
22											0.0	0.00
23											0.0	0.00
24											0.0	0.00
25											0.0	0.00
26											0.0	0.00
27											0.0	0.00
28											0.0	0.00
29											0.0	0.03
30											0.0	0.01
31											0.0	0.00
TOTAL*											0.04	0.25

WATER YEAR TOTAL 0.29 MEAN 0.0

*CFS-Days

Preliminary Record

DISCHARGE IN CFS, WATER YEAR 1[illegible]2 MEAN VALUES FOR 9306039

COTTONWOOD GULCH NR RANGELY, CO.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT
1	0.00					0.00						
2	0.00					0.00						
3	0.00					0.00						
4	0.00					0.00						
5	0.00					0.00						
6	0.00					0.00						
7	0.00					0.00						
8	0.00					0.00						
9	0.00					0.00						
10	0.00					0.00						
11	0.00					0.00						
12	0.00					0.00						
13	0.00					0.00						
14	0.00					0.00						
15	0.02	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
16	0.00					0.14						
17	0.00					0.00						
18	0.00					0.00						
19	0.00					0.00						
20	0.00					0.00						
21	0.00					0.00						
22	0.00					0.00						
23	0.00					0.00						
24	0.00					0.00						
25	0.00					0.00						
26	0.00					0.00						
27	0.00					0.00						
28	0.00					0.00						
29	0.00					0.00						
30	0.00					0.00						
31	0.00					0.00						
TOTAL*	0.02					0.14						

WATER YEAR TOTAL 0.16 MEAN 0.0

*CFS-Days

Preliminary Record

DISCHARGE IN CFS, WATER YEAR 1982 MEAN VALUES FOR 9306042

PICEANCE CREEK TRIB. NR RIO BLANCO, CO.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT
1	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.80
2	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.30	0.60
3	0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.96	0.27
4	0.95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	1.00	0.39
5	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.73	0.77	0.49
6	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.93	0.44
7	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.67	0.41
8	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.77	0.37
9	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.67	0.37
10	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.70	0.67	0.32
11	0.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.58	0.97
12	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	1.00	0.53
13	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.20	0.97	1.00
14	0.00	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.80	0.82	1.10
15	0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.71	0.87
16	0.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.62	0.36
17	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.82	0.52	0.49
18	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.86	0.60
19	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.99	0.67
20	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.88	0.55
21	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.82	0.79	0.51
22	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.82	0.80	0.56
23	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.92	0.51
24	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.82	0.92	0.50
25	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.84	0.50
26	0.00	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.71	1.00	0.50
27	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.53	1.10	0.50
28	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.67	1.10	0.50
29	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.67	0.91	0.50
30	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.85	0.50
31	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.72	0.00
TOTAL *	6.29	0.0	0.0	0.07	0.25	0.0	0.0	0.0	0.0	22.50	27.32	16.68
WATER YEAR TOTAL		72.86		MEAN	0.20							

*CFS-Days

Preliminary Record

DISCHARGE IN CFS, WATER YEAR 1982 MEAN VALUES FOR 9306052

SCANDARD GULCH AT MOUTH NR RIO BLANCO, CO.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT
1	1.10	No Flow	No Flow	No Flow	0.0	No Flow	No Flow	0.0	0.0	0.0	0.00	0.00
2	0.00				0.0			0.0	0.0	0.0	0.13	0.00
3	1.90				0.0			0.0	0.0	0.0	0.00	0.00
4	0.34				0.0			0.0	0.0	0.0	0.00	0.00
5	0.00				0.0			0.0	0.0	0.0	0.00	0.00
6	0.00				0.0			0.0	0.0	0.0	0.00	0.00
7	0.00				0.0			0.0	0.0	0.0	0.00	0.00
8	0.00				0.0			0.0	0.0	0.0	0.00	0.00
9	0.00				0.0			0.0	0.0	0.0	0.00	0.00
10	0.00				0.0			0.0	0.0	0.0	0.00	0.00
11	0.00				0.0			0.0	0.0	0.0	0.00	0.09
12	0.00				0.0			0.0	0.0	0.0	0.06	0.00
13	0.00				0.0			0.29	0.0	0.0	0.07	0.09
14	0.00				0.0			0.0	0.0	0.0	0.00	0.00
15	0.63				0.0			0.0	0.0	0.0	0.00	0.00
16	0.64				0.0			0.0	0.0	0.0	0.00	0.00
17	0.00				0.0			0.0	0.0	0.0	0.00	0.00
18	0.00				0.0			0.0	0.0	0.0	0.00	0.00
19	0.00				0.0			0.0	0.0	0.0	0.00	0.00
20	0.00				2.3			0.0	0.0	0.0	0.00	0.00
21	0.00				1.3			0.0	0.0	0.0	0.00	0.00
22	0.00				1.6			0.0	0.0	0.0	0.00	0.00
23	0.00				1.2			0.0	0.0	0.0	0.00	0.00
24	0.00				0.0			0.0	0.0	0.0	0.00	0.00
25	0.00				0.0			0.0	0.0	0.0	0.00	0.00
26	0.00				0.2			0.0	0.0	0.0	0.00	0.00
27	0.00				0.0			0.0	0.0	0.02	0.00	0.00
28	0.00				0.0			0.0	0.0	0.0	0.00	0.00
29	0.00				0.0			0.0	0.0	0.0	0.00	0.00
30	0.00				0.0			0.0	0.0	0.0	0.00	0.00
31	0.00				0.0			0.0	0.0	0.0	0.00	0.00
TOTAL*	4.60				6.6			0.09	0.0	0.02	0.26	0.18
WATER YEAR TOTAL		11.75		MEAN	0.03							

*CFS-Days

Preliminary Record

DISCHARGE IN CFS, WATER YEAR 1982 MEAN VALUES FOR 9306058

WILLOW CREEK NR RIO BLANCO, CO.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT
1	1.2	1.4	1.2	0.9	2.2	3.1	2.9	2.5	0.81	0.62	0.08	0.74
2	1.2	1.4	1.4	0.9	2.2	3.0	2.9	2.5	1.0	0.43	0.32	0.73
3	1.4	1.4	1.5	0.8	2.1	3.0	2.9	2.5	1.1	0.50	0.38	0.72
4	1.4	1.4	1.4	0.78	2.0	2.9	2.9	1.4	1.5	0.78	0.36	0.70
5	1.6	1.4	1.4	0.4	2.0	2.7	2.9	0.19	1.8	0.81	0.40	0.74
6	1.3	1.4	1.4	1.1	2.0	2.5	2.8	0.15	0.88	0.88	0.43	0.70
7	1.2	1.4	1.4	1.1	2.0	2.5	2.9	0.11	0.40	0.81	0.48	0.68
8	1.4	1.4	1.4	1.8	2.2	2.5	2.5	0.18	0.38	0.88	0.50	0.71
9	1.4	1.4	1.4	1.5	2.5	2.5	2.7	0.36	0.23	0.88	0.56	0.75
10	1.3	1.4	1.4	1.4	2.7	2.8	2.8	0.15	0.22	0.88	0.59	0.75
11	1.3	1.4	1.4	1.7	2.7	2.8	2.9	0.08	0.43	0.96	0.59	1.00
12	1.4	1.4	1.4	1.9	2.8	2.9	2.9	0.18	0.78	1.00	0.71	0.89
13	1.4	1.5	1.4	1.9	2.8	2.9	2.9	0.27	0.88	0.38	0.71	1.10
14	1.4	1.4	1.4	1.9	2.8	3.0	2.9	0.07	0.88	0.15	0.71	0.96
15	1.5	1.5	1.4	1.9	3.0	3.0	2.9	0.18	0.81	0.15	0.65	0.87
16	1.6	1.4	1.4	1.9	3.2	3.0	2.9	0.12	0.62	0.13	0.65	0.75
17	1.3	1.4	1.4	2.0	3.7	3.0	2.8	0.05	0.96	0.13	0.74	0.74
18	1.4	1.5	1.3	1.9	3.7	3.0	2.9	0.12	1.00	0.13	0.00	0.76
19	1.3	1.4	1.6	1.9	4.0	3.0	2.9	0.03	0.96	0.12	0.72	0.96
20	1.3	1.4	1.6	2.0	4.4	2.9	2.5	0.05	0.00	0.12	0.68	0.93
21	1.4	1.5	1.6	2.0	4.4	2.9	2.5	0.04	0.62	0.11	0.67	0.96
22	1.3	1.5	1.5	2.1	4.5	3.0	2.8	0.04	1.20	0.10	0.68	1.10
23	1.3	1.5	1.0	1.8	4.1	3.0	2.8	0.03	1.10	0.10	0.69	1.00
24	1.4	1.5	1.2	2.2	3.7	3.0	2.5	0.04	0.10	0.11	0.75	1.00
25	1.4	1.5	1.2	2.2	3.5	2.9	2.5	0.04	0.13	0.11	0.68	1.00
26	1.3	1.3	1.2	2.5	3.5	3.0	2.5	0.08	0.14	0.10	0.74	1.10
27	1.3	1.4	1.3	2.2	3.4	3.0	2.6	0.14	0.17	0.14	0.78	1.10
28	1.3	1.4	1.2	2.3	3.2	2.9	2.5	0.10	0.34	0.15	0.79	1.20
29	1.5	1.4	1.2	2.1		2.9	2.5	0.23	0.34	0.11	0.84	1.20
30	1.4	1.3	1.2	2.0		2.8	2.5	0.32	0.40	0.09	0.79	1.10
31	1.2		1.0	2.1		2.9		0.23		0.08	0.76	
TOTAL*	42.1	42.6	41.8	53.18	85.3	89.3	82.4	12.50	20.17	11.93	18.43	26.93

WATER YEAR TOTAL 526.63 MEAN 1.44

*CFS-Days

Preliminary Record

DISCHARGE IN CFS, WATER YEAR 1982 MEAN VALUES FOR 9306061

PICEANCE CREEK ABOVE HUNTER CREEK NR RIO BLANCO, CO.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT
1	3.5	9.9	13.0	12.0	9.0	13.0	18.0	3.8	5.4	3.4	6.7	12.0
2	3.8	12.0	11.0	12.0	9.0	16.0	18.0	3.6	5.1	3.4	6.9	12.0
3	5.0	12.0	11.0	12.0	9.0	29.0	17.0	5.1	4.3	3.2	8.4	11.0
4	6.2	10.0	11.0	12.0	9.0	24.0	17.0	6.1	3.5	3.1	7.6	11.0
5	7.5	9.8	12.0	12.0	9.0	21.0	17.0	8.4	3.5	3.3	12.0	12.0
6	6.3	9.1	12.0	12.0	9.0	16.0	17.0	6.6	3.7	3.4	11.0	14.0
7	6.1	12.0	12.0	12.0	9.0	17.0	18.0	4.1	3.7	3.5	12.0	12.0
8	6.7	14.0	12.0	12.0	9.0	15.0	18.0	3.0	3.8	3.8	12.0	12.0
9	6.4	14.0	12.0	12.0	9.0	15.0	16.0	2.9	4.1	4.8	13.0	16.0
10	6.0	13.0	12.0	12.0	9.0	15.0	16.0	2.9	4.5	5.1	13.0	17.0
11	6.5	12.0	12.0	12.0	9.0	14.0	17.0	2.8	6.2	4.3	19.0	21.0
12	7.2	18.0	12.0	12.0	9.0	23.0	17.0	3.3	4.2	4.6	23.0	20.0
13	7.8	20.0	12.0	11.0	9.0	28.0	17.0	17.0	3.9	4.5	31.0	21.0
14	7.6	19.0	11.0	11.0	10.0	34.0	13.0	20.0	5.4	6.4	20.0	22.0
15	7.9	18.0	11.0	10.0	11.0	42.0	16.0	10.0	5.3	6.8	17.0	21.0
16	10.0	17.0	11.0	9.5	11.0	36.0	17.0	5.7	5.2	6.6	15.0	19.0
17	7.5	15.0	11.0	9.7	14.0	27.0	12.0	6.2	5.2	6.5	15.0	17.0
18	7.5	16.0	11.5	9.5	11.0	25.0	6.6	4.2	5.3	7.0	19.0	17.0
19	7.2	16.0	12.0	9.5	14.0	24.0	6.8	6.3	5.2	7.0	15.0	17.0
20	6.8	16.0	12.0	9.6	21.0	23.0	5.3	10.0	5.3	6.5	13.0	16.0
21	7.1	17.0	13.0	9.2	29.0	20.0	5.1	7.2	5.9	6.5	13.0	15.0
22	7.0	19.0	12.0	9.0	37.0	20.0	5.9	5.9	5.9	5.9	13.0	15.0
23	7.6	18.0	12.0	9.0	33.0	18.0	5.8	5.3	5.8	5.4	15.0	14.0
24	7.7	17.0	12.0	9.5	21.0	18.0	5.6	5.6	5.3	5.4	13.0	13.0
25	7.0	17.0	12.0	9.0	17.0	17.0	4.9	4.5	4.4	6.1	13.0	14.0
26	6.4	15.0	12.0	10.0	15.0	15.0.	4.9	4.1	4.0	6.1	13.0	15.0
27	6.1	14.0	12.0	9.9	15.0	15.0	6.1	6.1	4.1	7.4	13.0	15.0
28	5.9	13.0	12.0	11.0	14.0	16.0	5.3	7.5	3.9	14.0	12.0	16.0
29	6.7	13.0	12.0	9.2		18.0	5.0	5.6	3.7	11.0	14.0	16.0
30	9.5	13.0	12.0	11.0		17.0	3.5	5.5	3.5	9.7	15.0	17.0
31	9.7		12.0	11.0		16.0		6.2		7.1	14.0	
TOTAL *	214.2	438.8	366.5	331.6	390.0	647.0	351.8	195.5	139.3	181.8	437.6	470.0
WATER YEAR TOTAL		4164.1		MEAN	11.41							

*CFS-Days

Preliminary Record

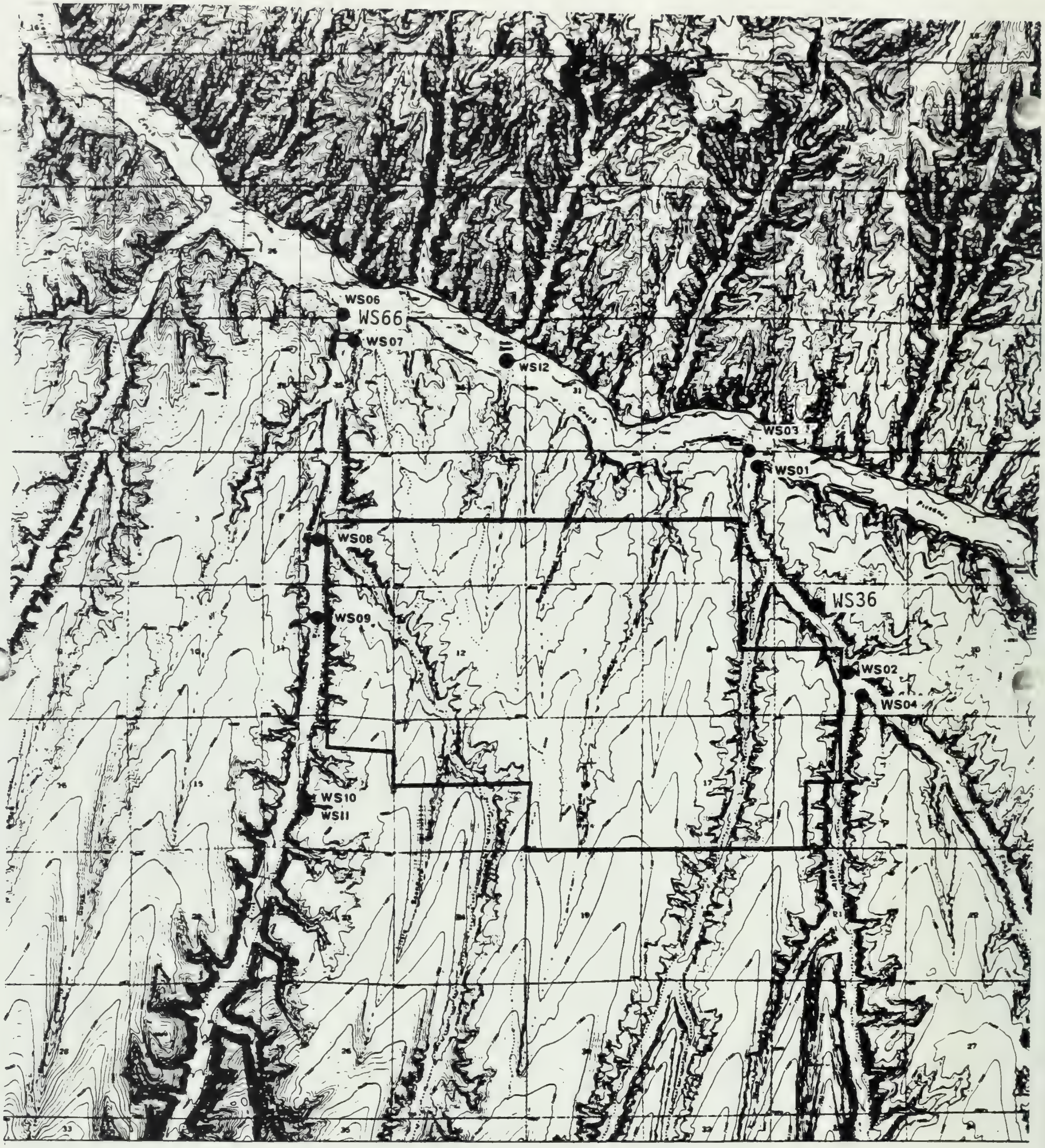
2.2.1.2 Springs and Seeps

Flow and field measurement data sampled at 19 springs and 1 seep are presented in this section in tabular and plot form. Monitoring of these springs are required by the Interim Monitoring Program (IMP) and the Water Augmentation Plan (WAP). See Table 2.2-1. The IMP sampling requirements include flows and field measurements (temperature, pH and conductivity) taken monthly at four springs (WS04, WS06, WS07, and WS12) and remaining springs; WS01, WS02, WS03, WS08, WS09, WS10, WS66, and seep WS11 if not diverted for seasonal irrigation; refer to Figure 2.2.1.2-1 for location. Nine springs located around the outer boundaries of C-b Tract can be referenced on Figure 2.2-1 (jacket map).

Tables 2.2.1.2-1 and 2.2.1.2-2 consist of data sampled during this report period for C-b Tract springs of flow and field measurements and flow of off-tract springs.

Time series plots of flow data from these 28 springs are presented to display a historical picture of spring flow activities since 1979 through 1982. See Table 2.2.1.2-3 for the page number of each spring.

Table 2.2-1 lists water stations and sampling schedule during the interim period.


WS06
WS66
WS07
WS12
WS03
WS01
WS08
WS36
WS09
WS02
WS04
WS10
WS11

SPRINGS AND SEEPS AROUND
Cb TRACT

Figure 2.2.1.2-1

TABLE 2.2.1.2-1

CB-TRACT
WATER FLOW AND FIELD MEASUREMENTS
SPRINGS AND SEEPS
FOR SAMPLE DATE SHOWN

SPRING	YR	MO	DY	STATUS	FLOW (CFS)	WATER TEMP (C)	PH	DISS OXYGEN (MG/L)	SPEC COND (UMHOS)
WS01	82	11	1		1.66	10.0	7.9		1350.0
			22		1.63	7.5	7.7		1280.0
		12	11		1.74	9.0	8.1		1350.0
WS02	82	10	29		-.03	8.0	8.1		1240.0
		11	22		-.03	7.0	8.0		1250.0
		12	12		-.03	6.0	8.1		1230.0
WS03	82	11	5		.77	9.0	7.8		1400.0
			22		.82	8.5	7.9		1420.0
		12	11		.66	9.0	7.8		1390.0
WS04	82	6	24		.28	10.5	8.4		1190.0
		7	16		.25	11.0	7.7		1290.0
		8	26		.19	12.0	7.7		1290.0
		9	20		.19	9.0	7.7		1390.0
		10	29		.17	8.0	7.8		1270.0
		11	22		.17	7.0	7.7		1260.0
		12	12		.25	7.0	7.8		1240.0
WS06	82	6	22		.84	14.0	7.6		1320.0
		7	14		.46	10.5	7.4		1490.0
		8	23		.35	9.0	7.4		1440.0
		9	29		.40	8.0	7.6		1520.0
		10	29		.37	9.0	7.6		1550.0
		11	22		.37	8.5	7.6		1540.0
		12	11		.35	8.5	7.6		1430.0
WS07	82	6	24		.27	11.5	8.2		1220.0
		7	14		.24	12.5	7.5		1440.0
		8	23		.22	9.5	7.3		1440.0
		9	29		.22	8.0	7.5		1440.0
		10	29		.20	8.0	7.5		1430.0
		11	22		.20	7.5	7.4		1450.0
		12	11		.20	8.0	7.6		1430.0
WS08	82	10	26	DRY					
		11	22	DRY					

DRY = SPRING DRY
NOFLME = NO FLUME
- = LESS THAN
DIVERT = FLOW DIVERTED FOR IRRIGATION

TABLE 2.2.1.2-1 (Contd)

CB-TRACT
WATER FLOW AND FIELD MEASUREMENTS
SPRINGS AND SEEPS
FOR SAMPLE DATE SHOWN

SPRING	YR	MO	DY	STATUS	FLOW (CFS)	WATER TEMP (C)	PH	DISS OXYGEN (MG/L)	SPEC COND (UMHOS)
WS08	82	12	11	DRY					
WS09	82	10	25		.14	9.0	7.3		1260.0
		11	22		.14	8.0	7.4		1230.0
		12	11		.19	8.0	7.6		1400.0
WS10	82	10	25		.56	10.5	8.1		1300.0
		11	22		.52	7.5	8.0		1290.0
		12	11		.62	5.5	7.8		1400.0
WS11	82	6	17		.44				
		7	14		.42				
		9	29		.49	12.5	7.9		1370.0
		10	25		.55	9.5	8.0		1250.0
		11	22		.55	8.0	7.9		1240.0
		12	11		.65	8.0	7.7		1360.0
WS12	82	6	22		.45	9.0	7.5		1410.0
		7	16		.37	10.5	7.5		1420.0
		8	25		.39	10.0	7.6		1390.0
		9	20		.37	9.5	7.7		1600.0
		10	29		.43	9.0	7.8		1460.0
		11	22		.45	8.0	8.9		1480.0
		12	11		.47	10.0	7.9		1540.0

DRY = SPRING DRY
NOFLME = NO FLUME
- = LESS THAN
DIVERT = FLOW DIVERTED FOR IRRIGATION

TABLE 2.2.1.2-2

CB-TRACT
WATER FLOW REQUIRED BY WAP
SPRINGS AND SEEPS
FOR SAMPLE DATE SHOWN

SPRING	YR	MO	DY	STATUS	FLOW (CFS)
WS21	82	6	9		1.10
WS22	82	6	9		.50
WS23	82	6	15		1.45
WS24	82	6	9		1.12
WS26	82	6	15		.34
WS30	82	10	20		3.01
WS31	82	6	16		1.52
WS34	82	6	15		.44
WS36	82	11	5		1.14
			22		1.14
		12	12		1.30
WS66	82	6	22		.60
		7	14	DRY	
		8	23	DRY	
		9	29	DRY	
		10	29	DRY	
		12	11	DRY	

DRY = SPRING DRY
NOFLME = NO FLUME
- = LESS THAN

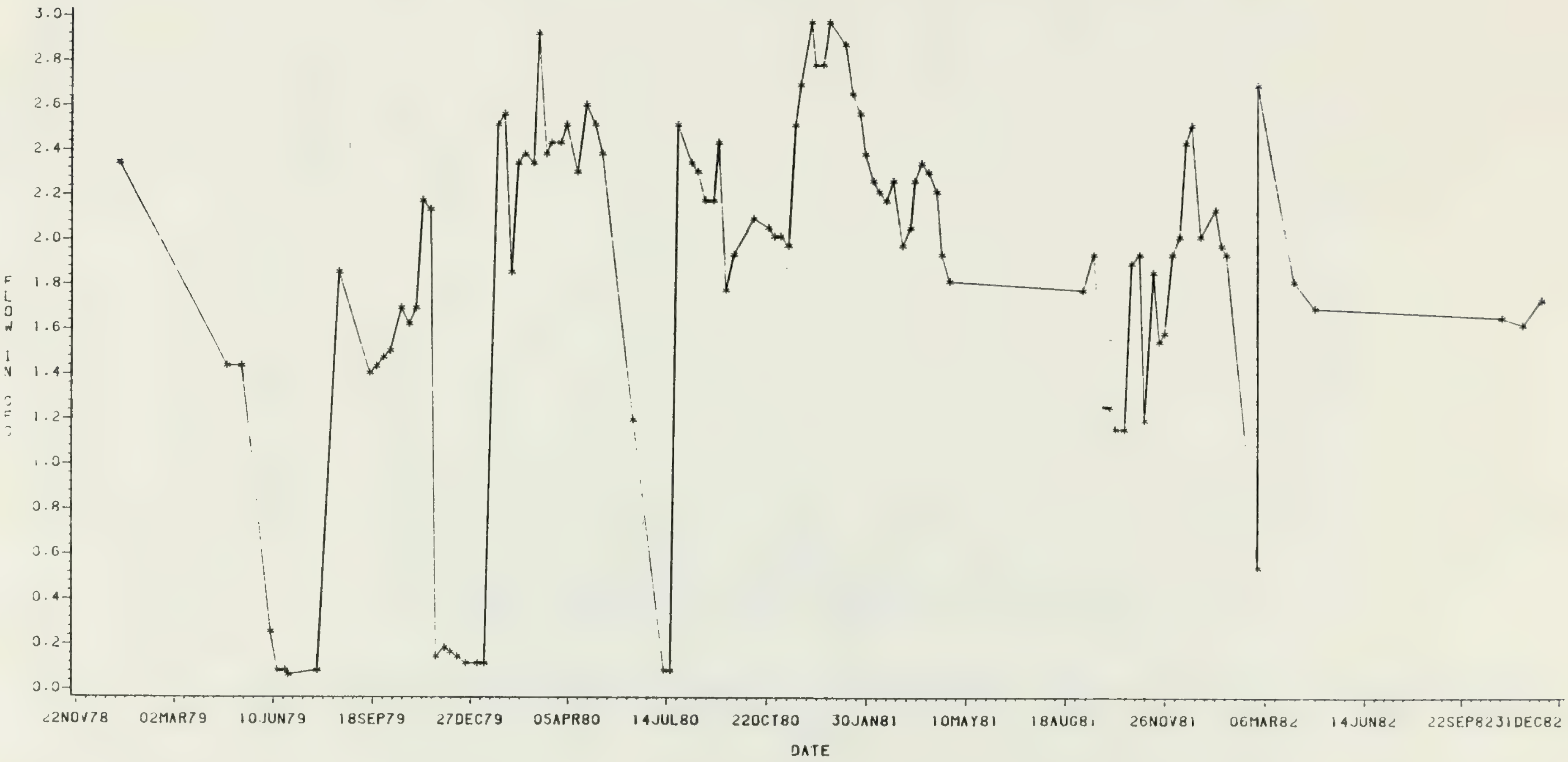
TABLE 2.2.1.2-3

LIST OF SPRING FLOW TIME SERIES PLOTS

Computer Code	Location	Page No.
WS01	CB S-1	I-55
WS02	CB S-2	I-56
WS03	CB S-3	I-57
WS04	CB S-4	I-58
WS06	CB S-6	I-59
WS07	CB S-7	I-60
WS08	CB S-8	I-61
WS09	CB S-9	I-62
WS10	CB S-10	I-63
WS11	CB S-10A (Seep)	I-64
WS12	CB S-102	I-65
WS21	CER-1	I-66
WS22	B-3	I-67
WS23	H-3	I-68
WS24	F-3	I-69
WS25	Figure 4-A	I-70
WS26	W-4	I-71
WS27	W-9	I-72
WS28	CER-7	I-73
WS29	S-9	I-74
WS30	P3 & P3A	I-75
WS31	CER-6	I-76
WS32	W-2 (CB S-9)	I-77
WS33	S-2	I-78
WS34	W-3 (CB S-10)	I-79
WS35	Figure 4	I-80
WS36	CB S-101	I-81
WS37	Oldland Spring	I-82

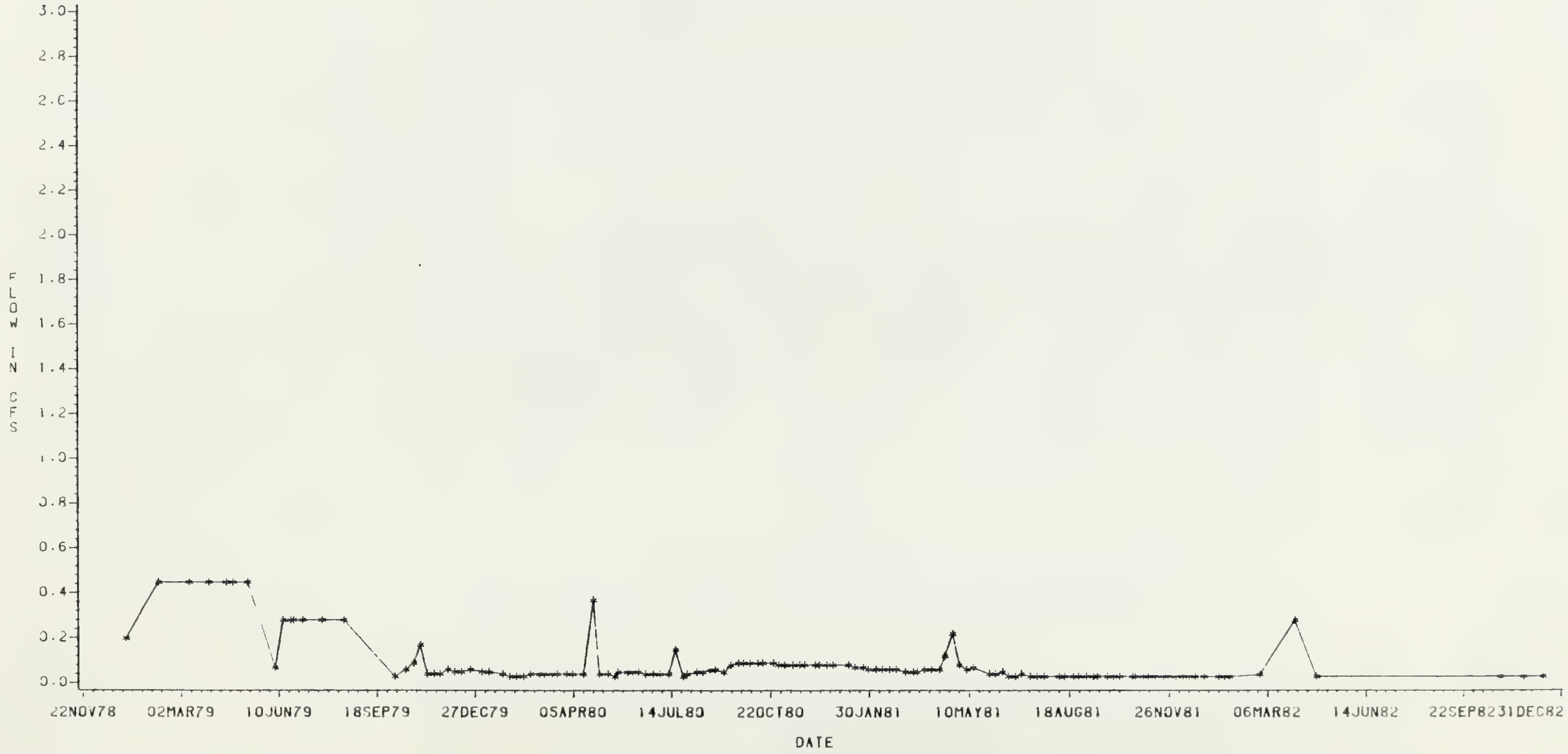
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS01



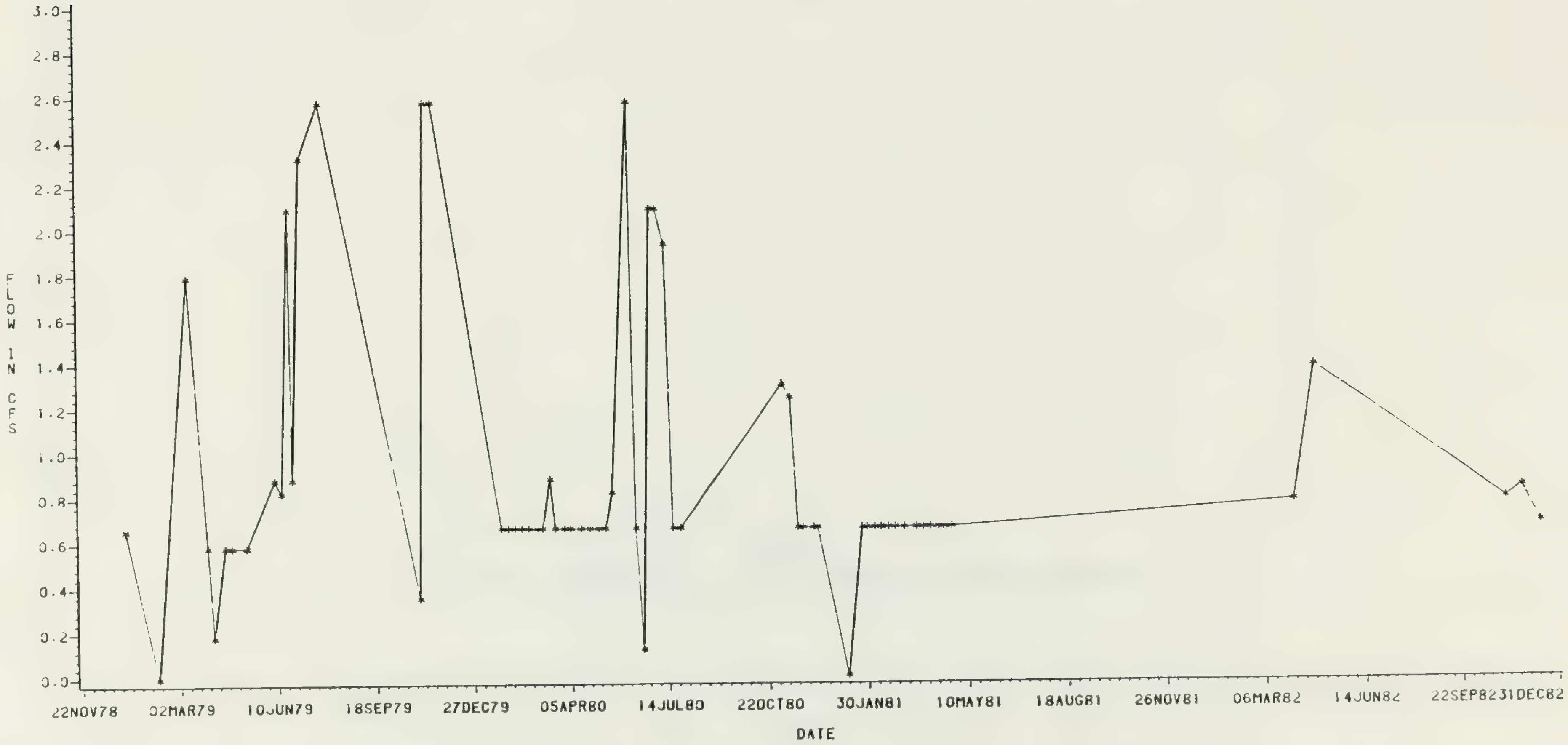
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS02



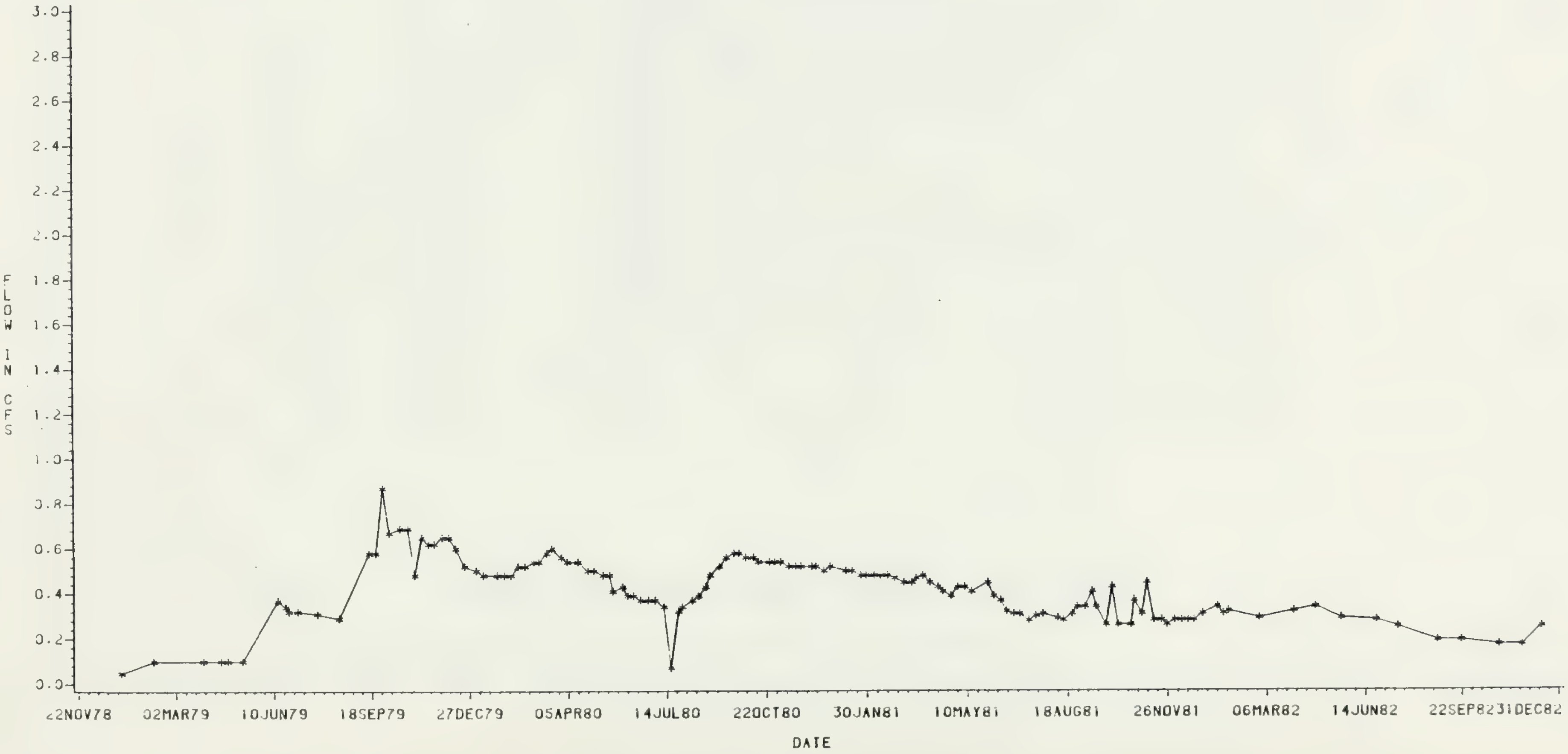
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS03



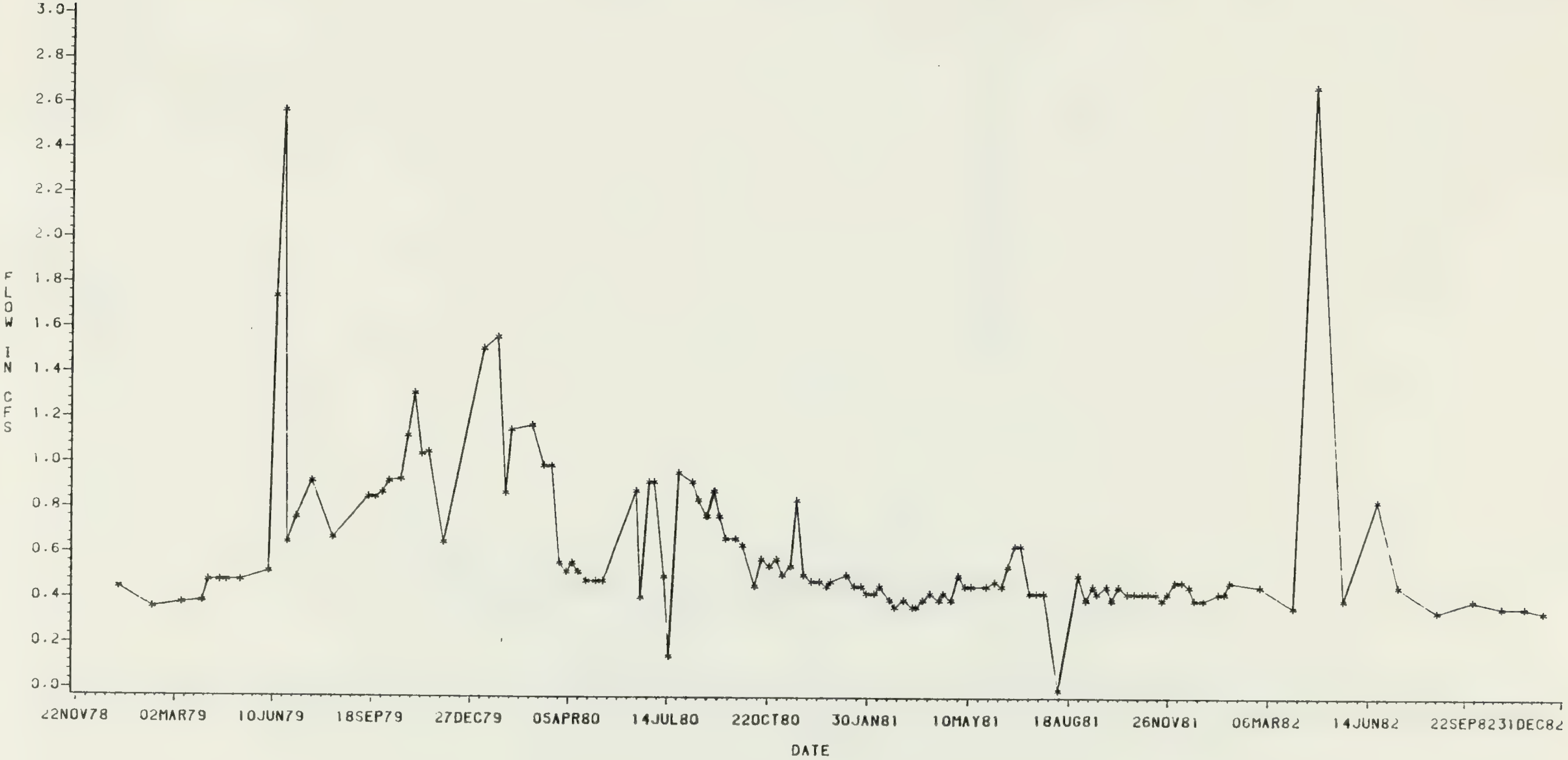
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS04



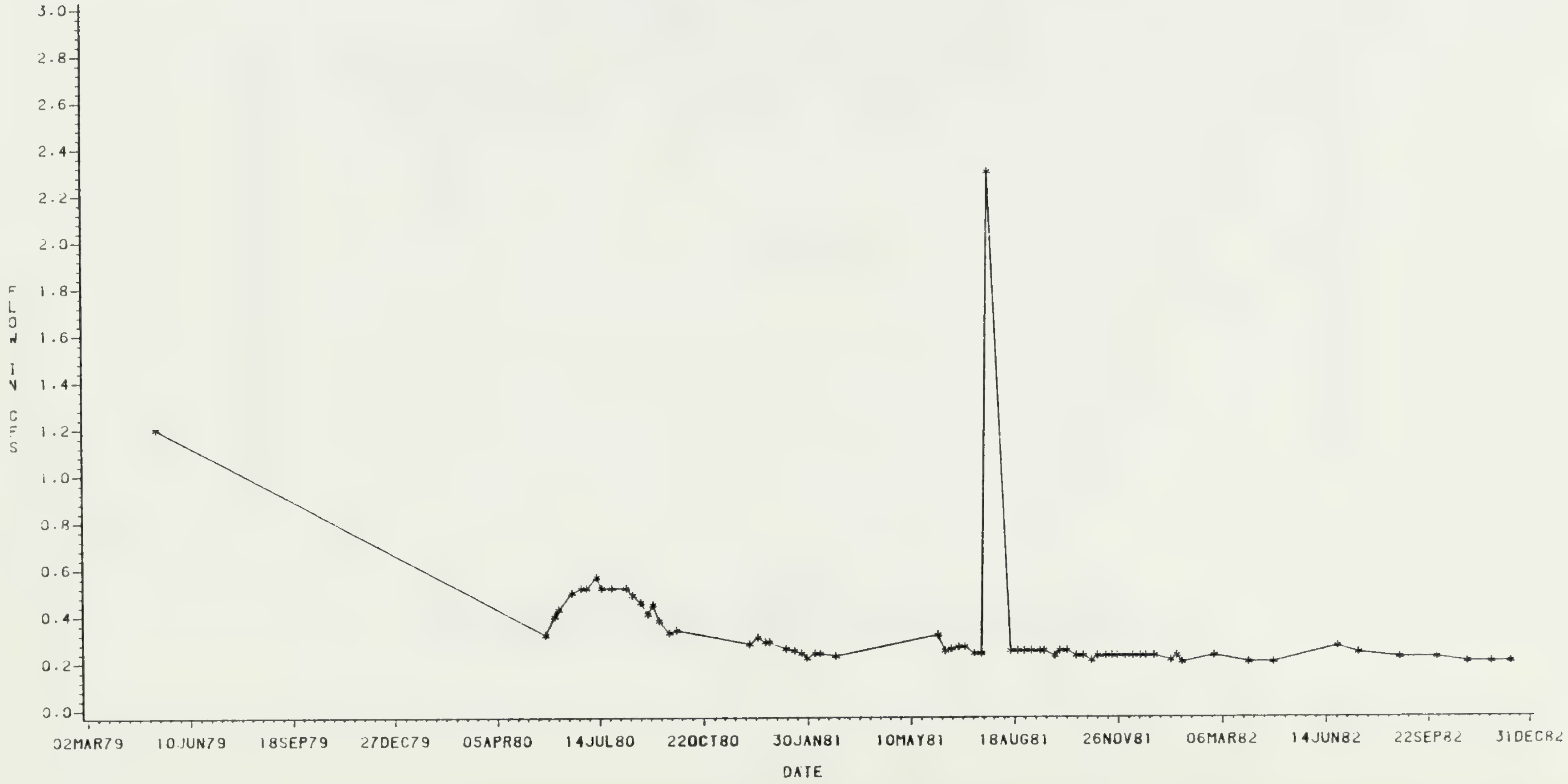
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS06



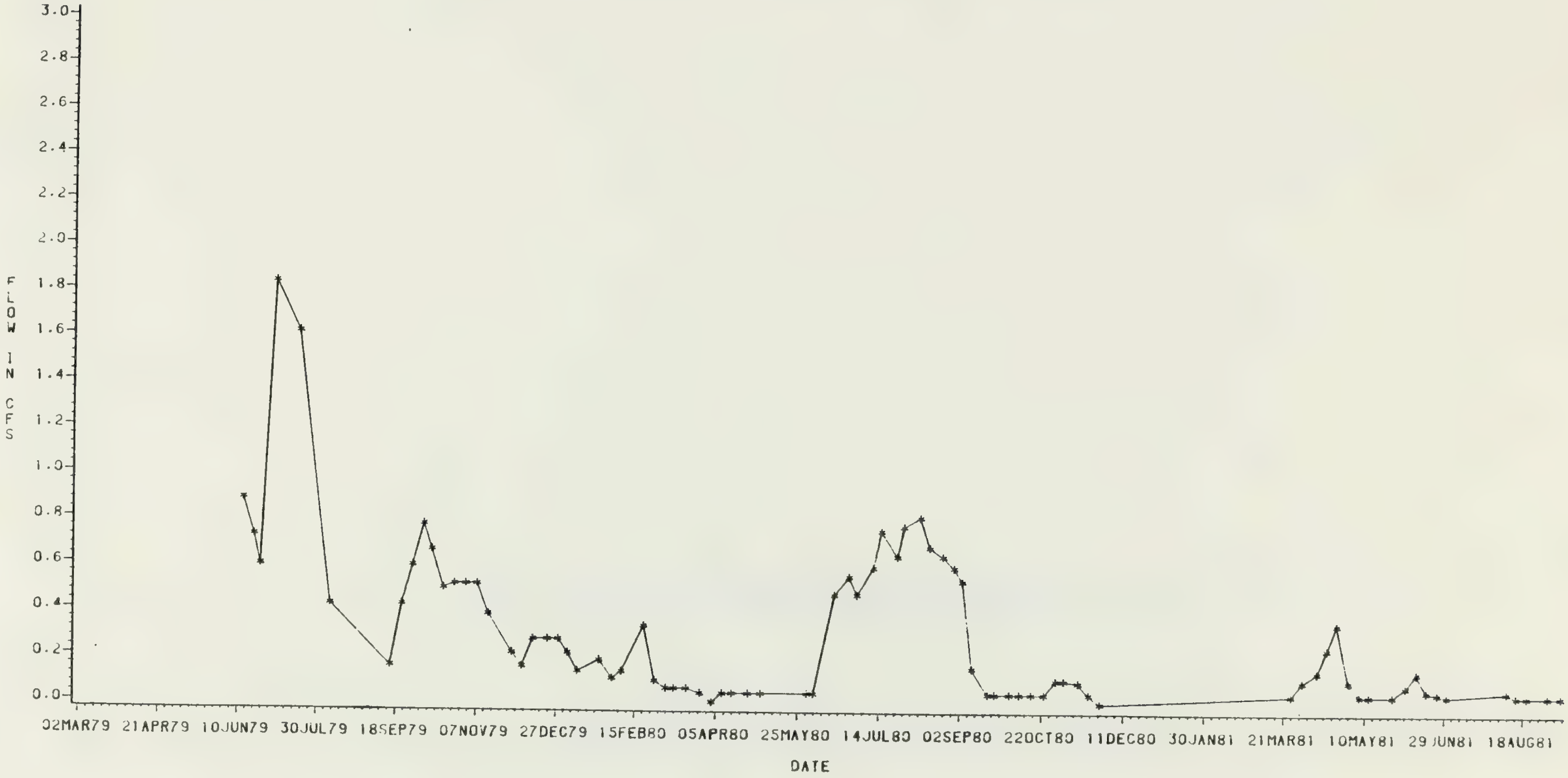
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS07



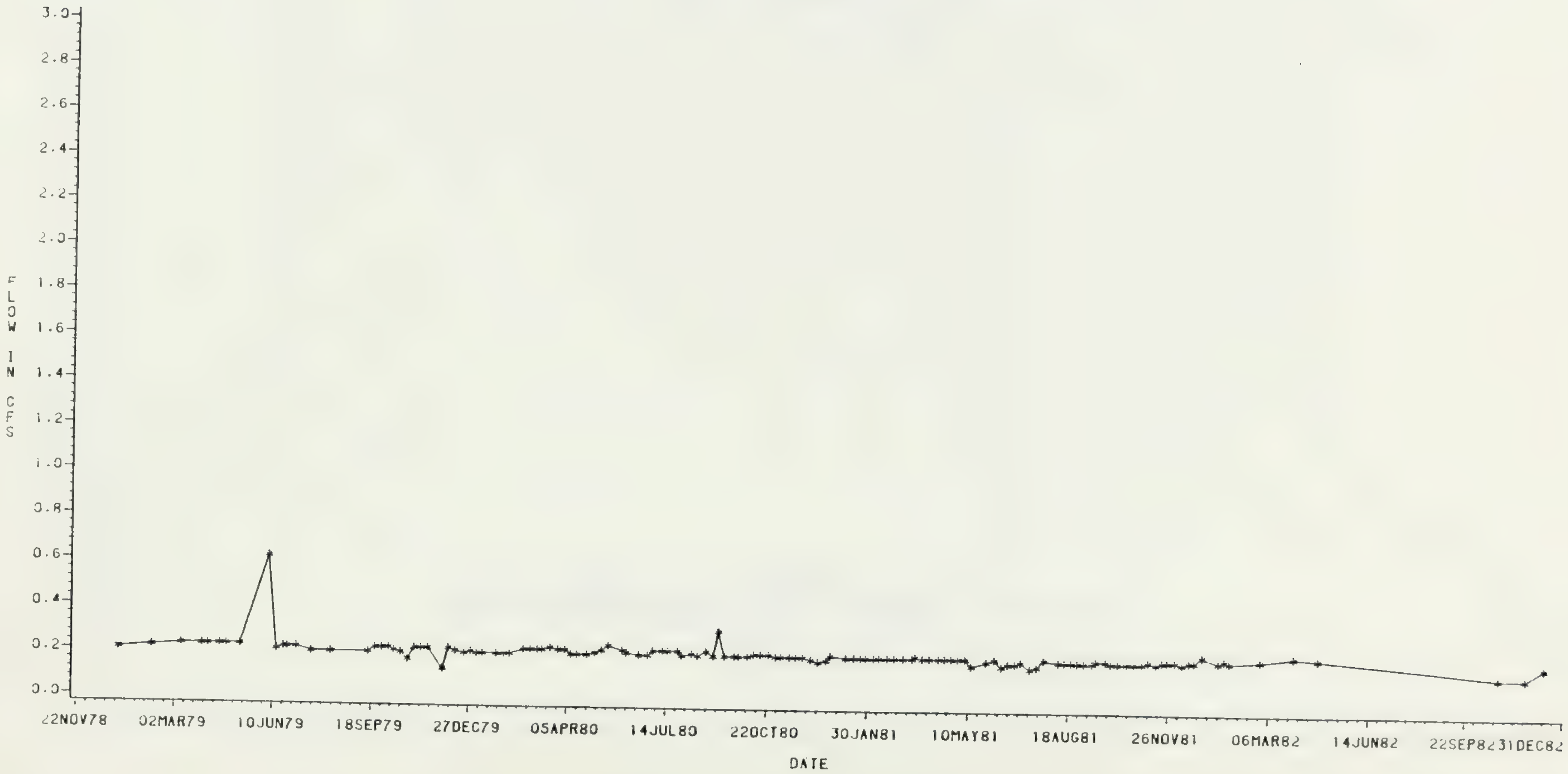
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS08



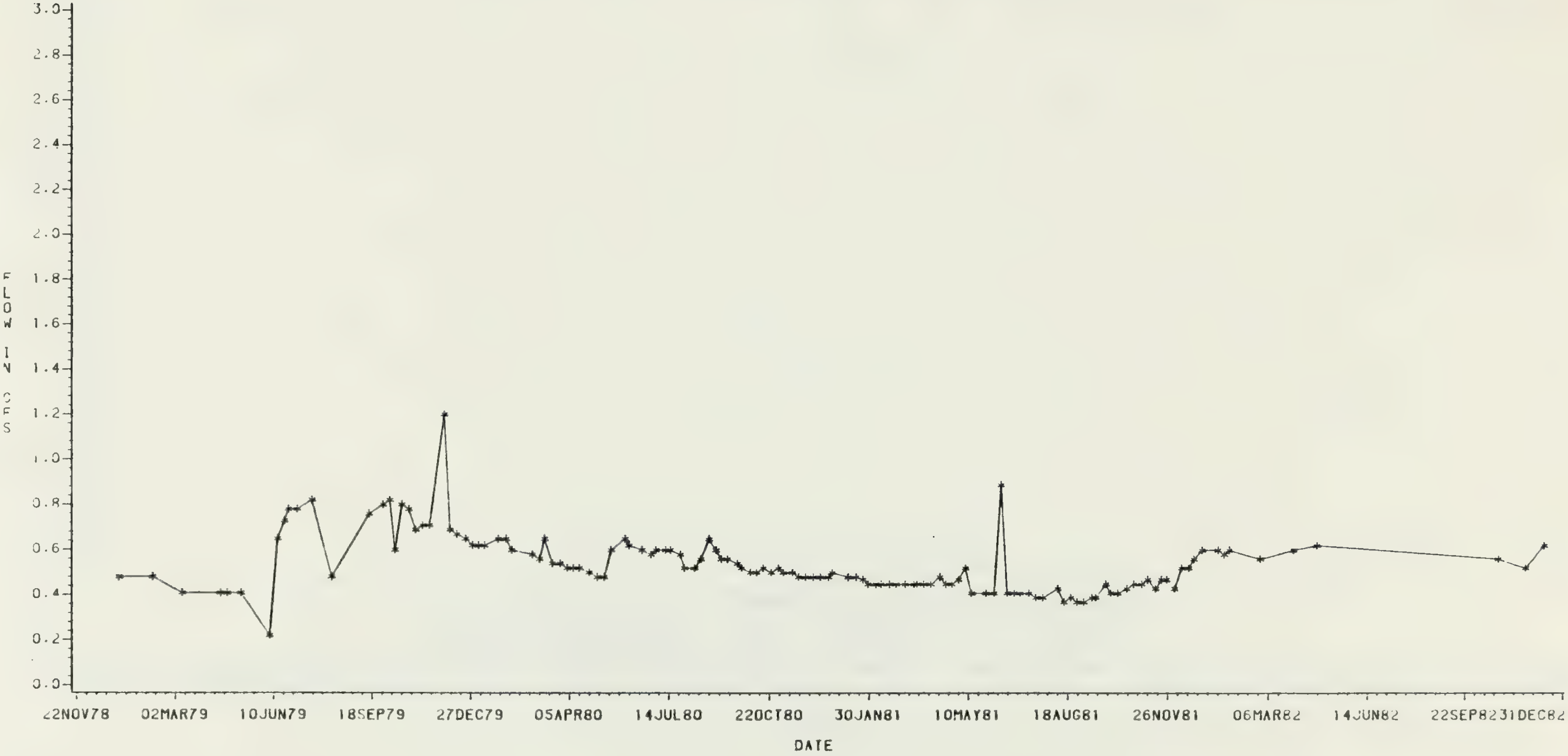
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS09



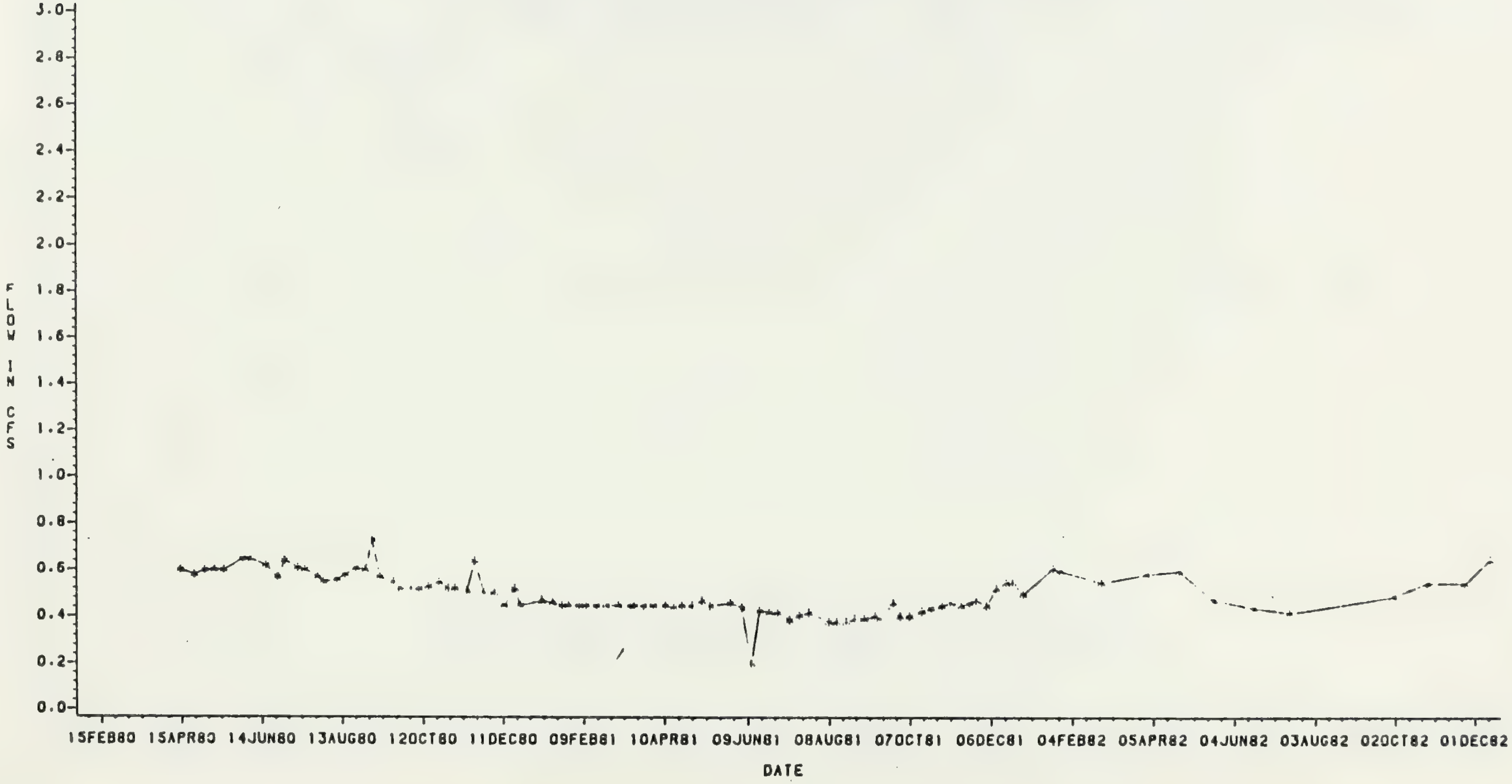
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS10



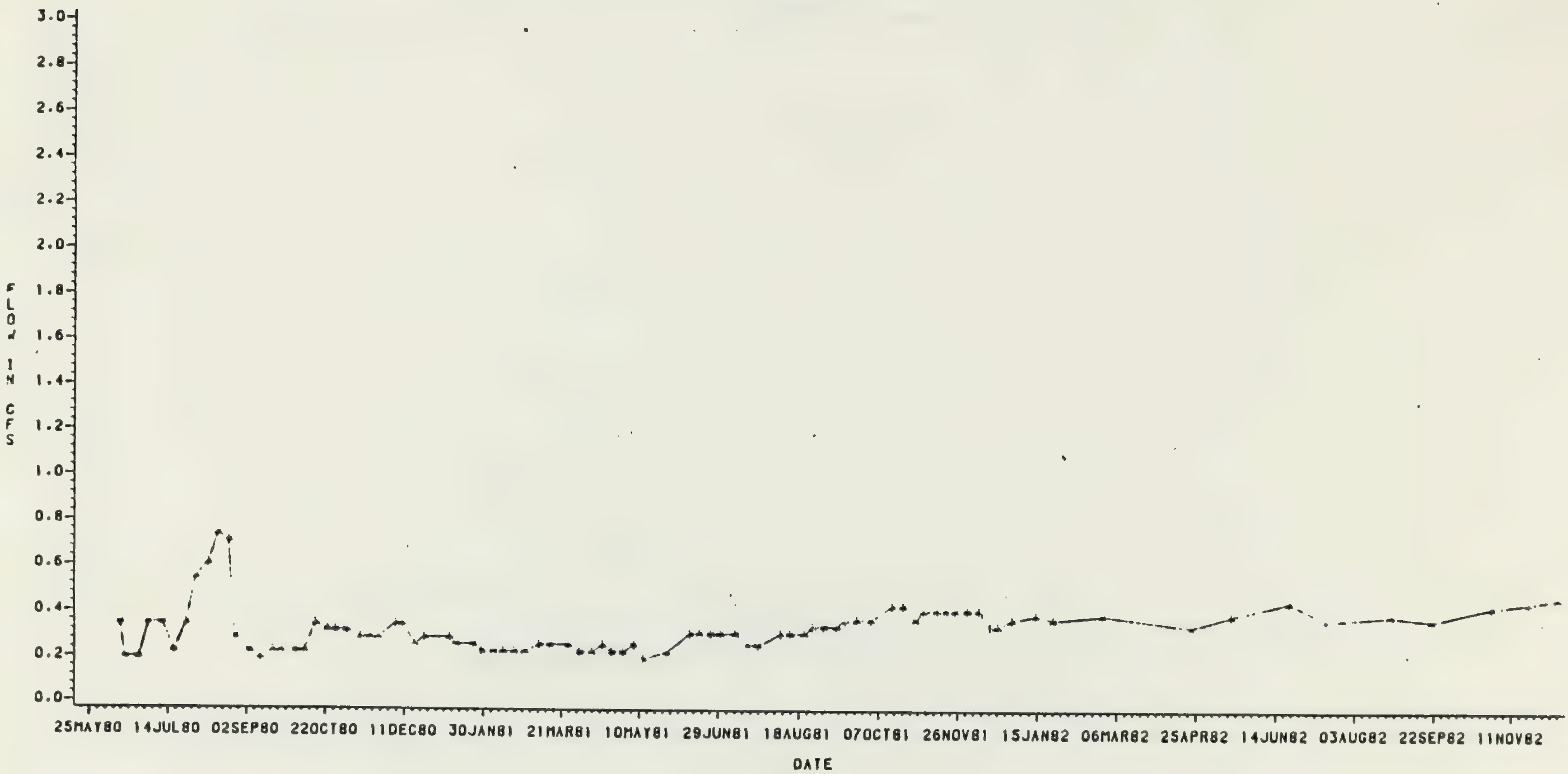
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS11



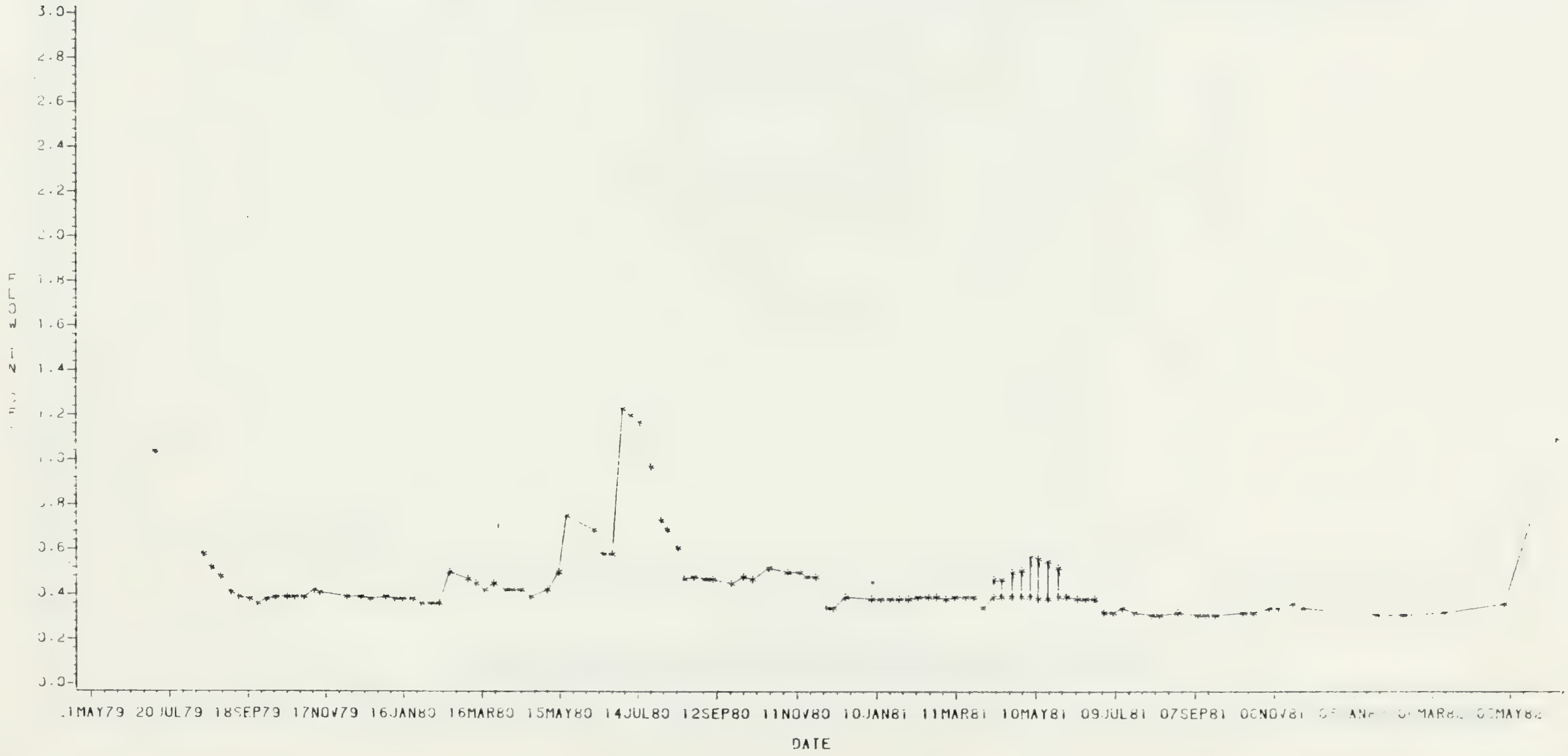
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS12



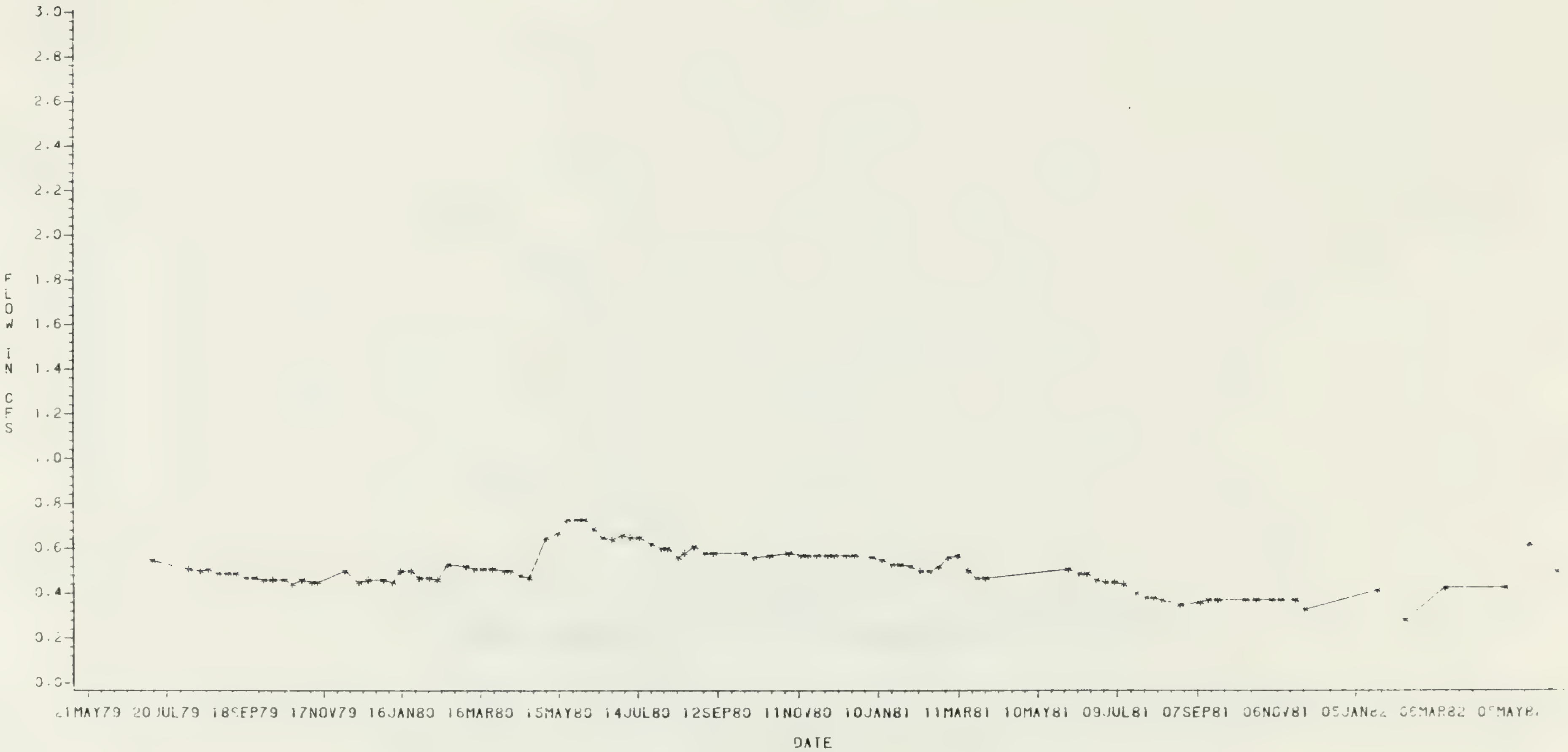
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS21



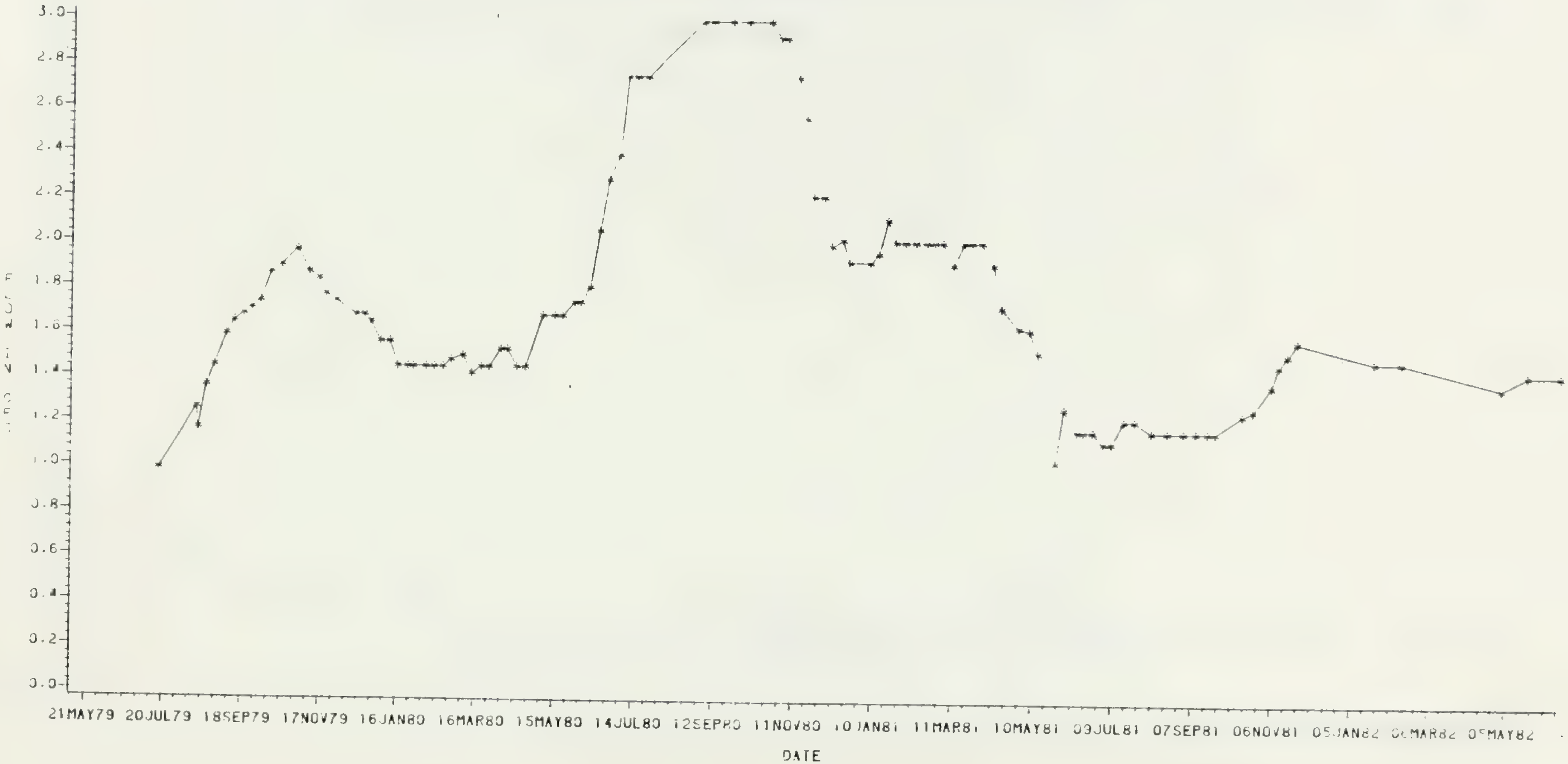
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS22



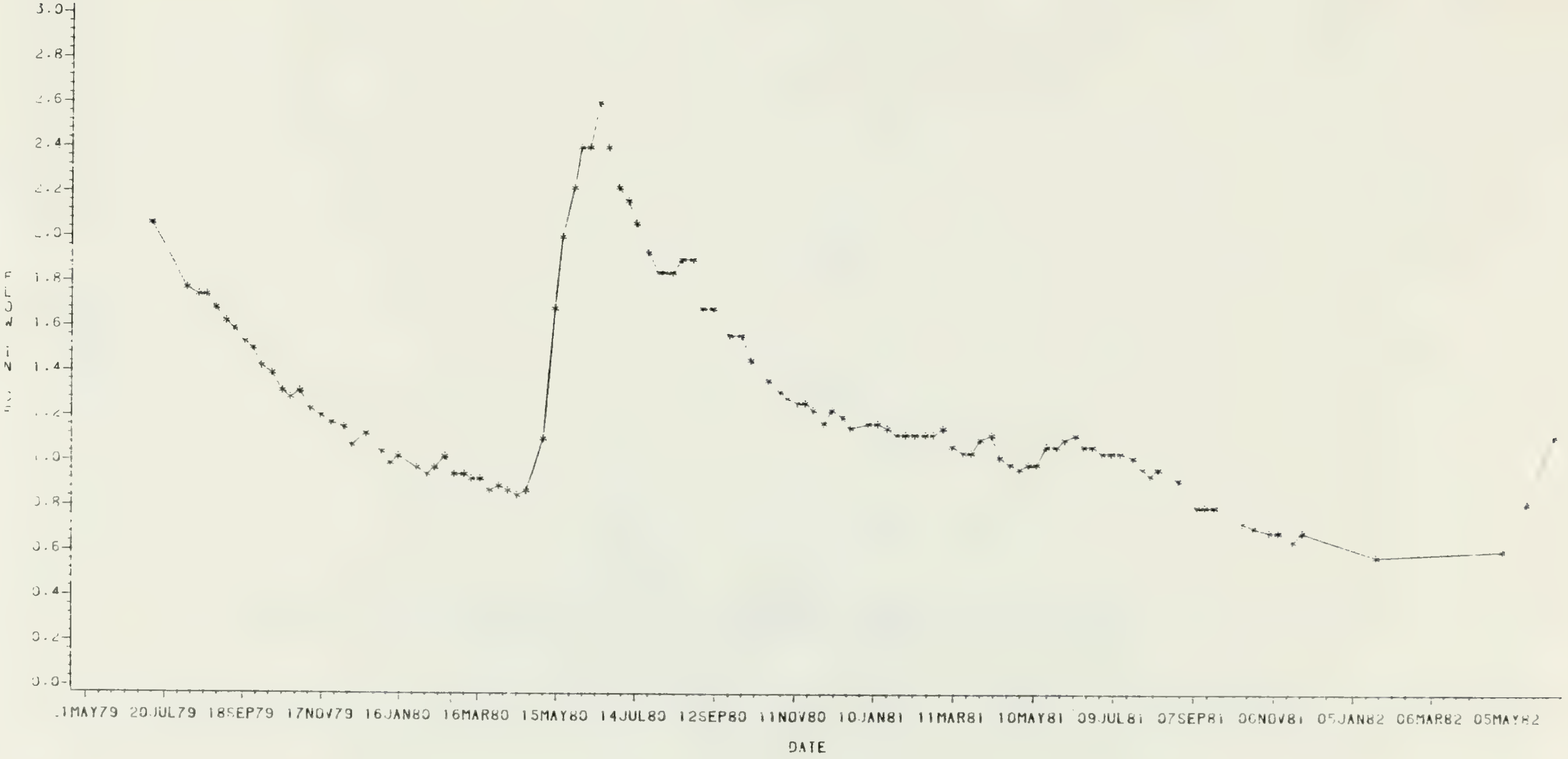
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS23



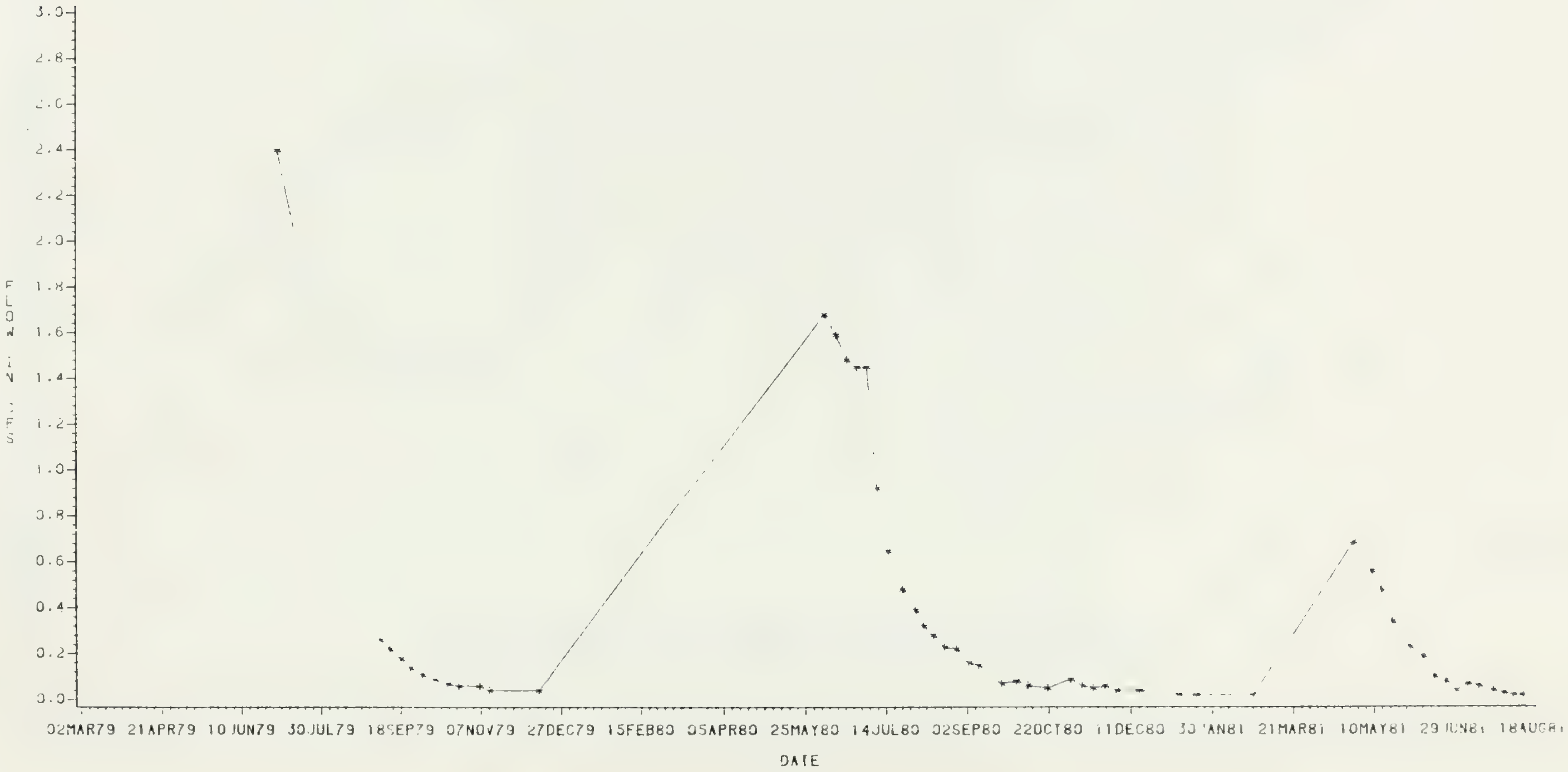
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS24



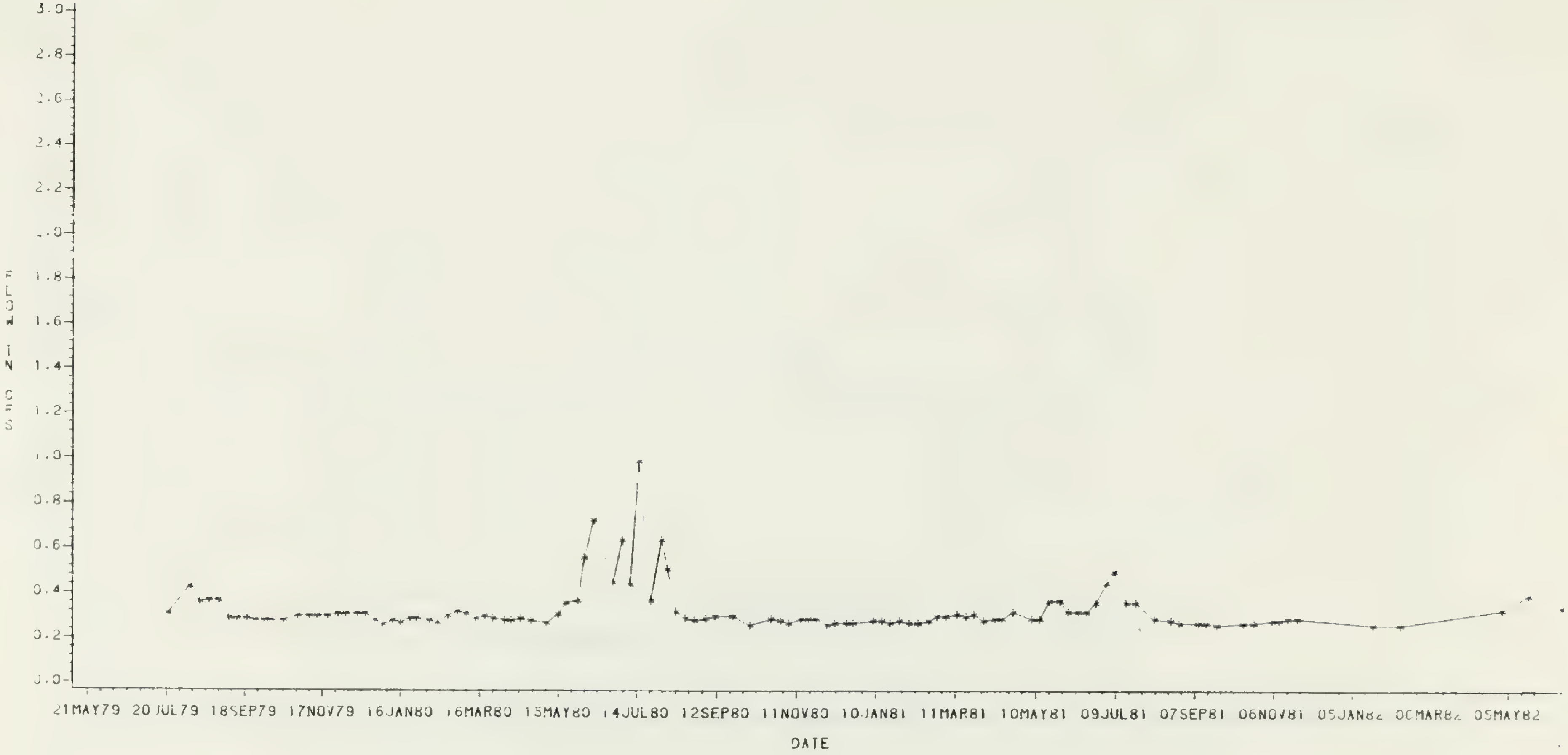
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS25



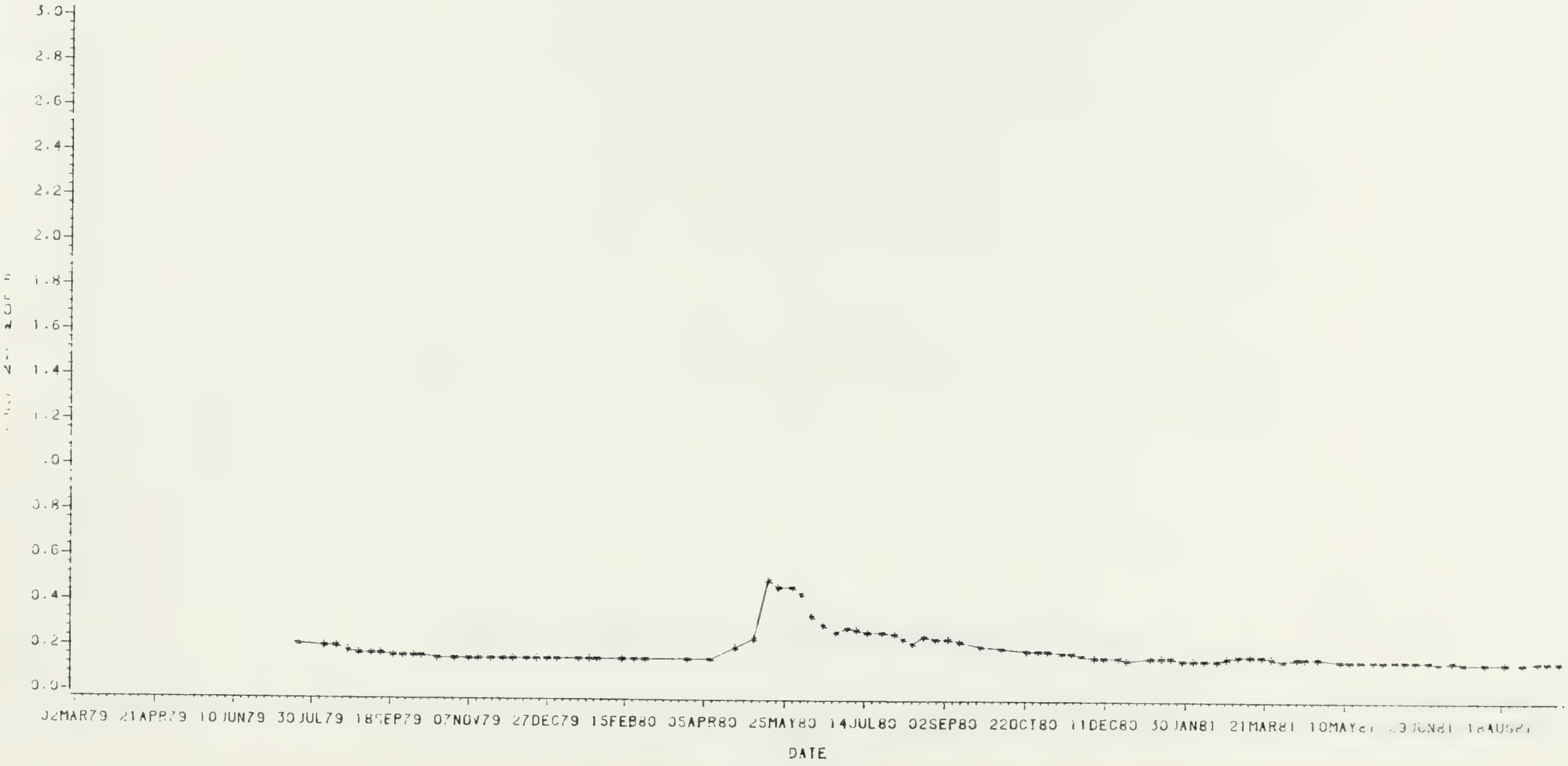
TIME SERIES PLOT FOR SPRINGS AND SEEPS

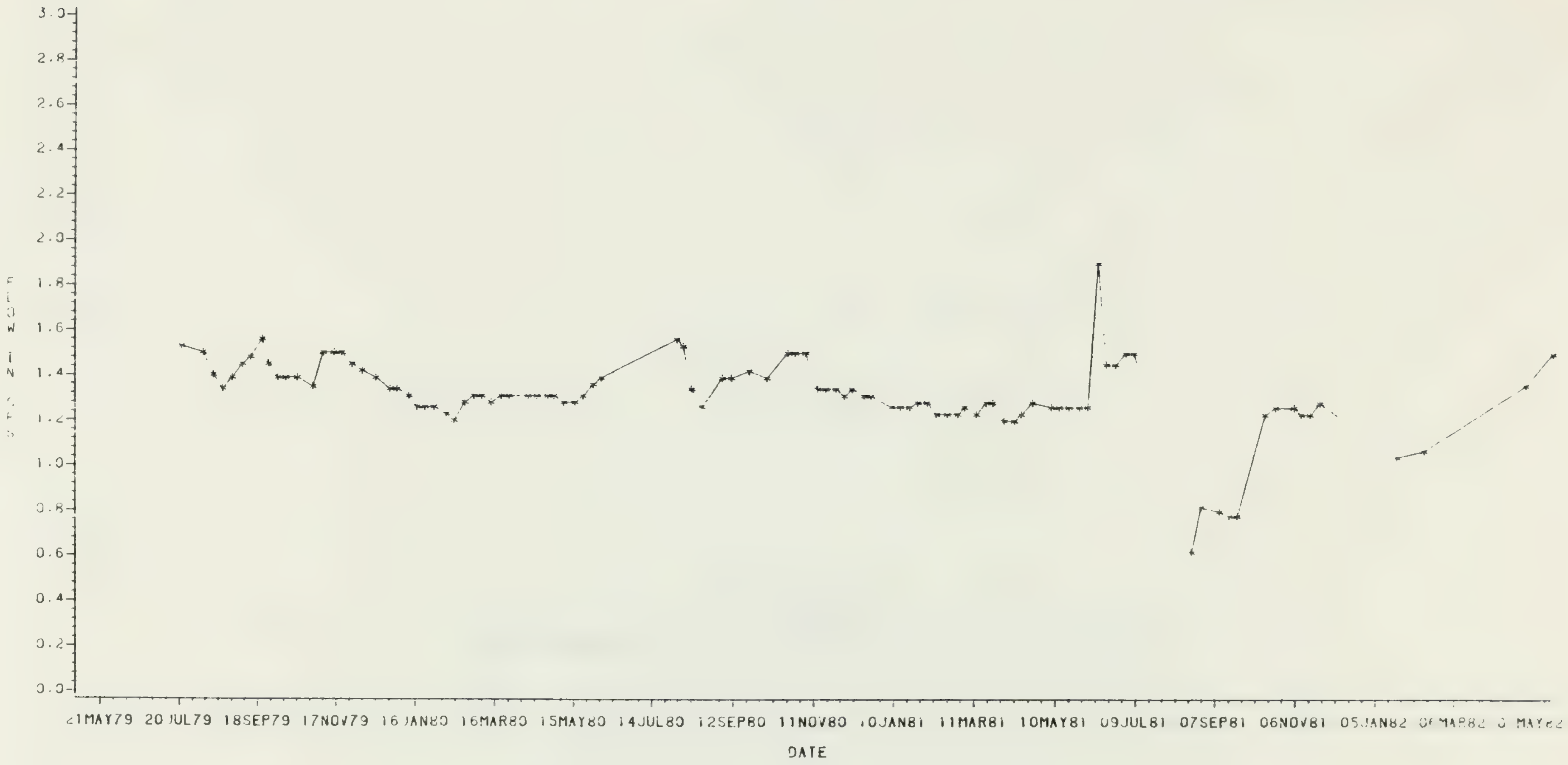
LOC=WS26



TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS27



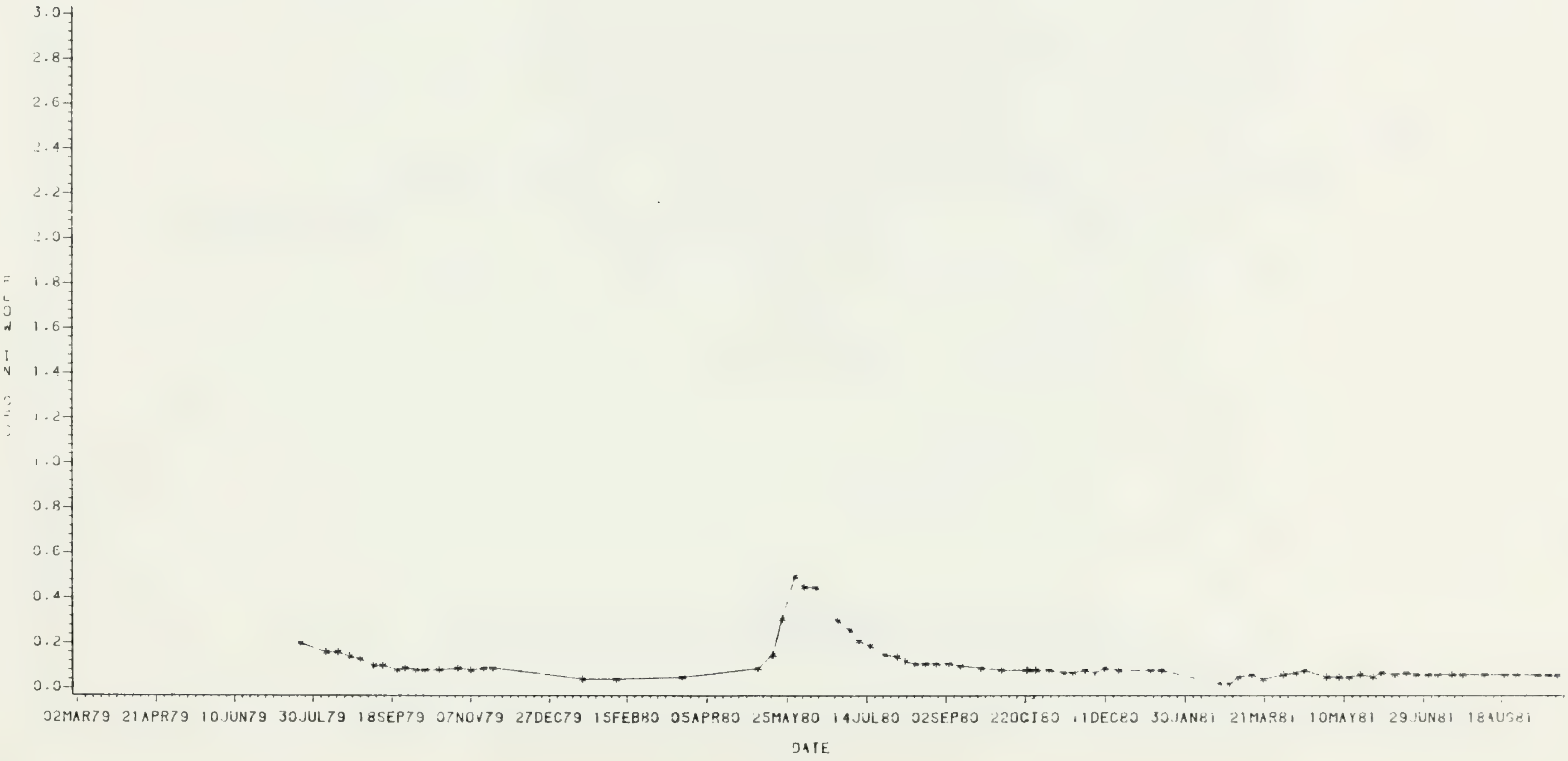


TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS28

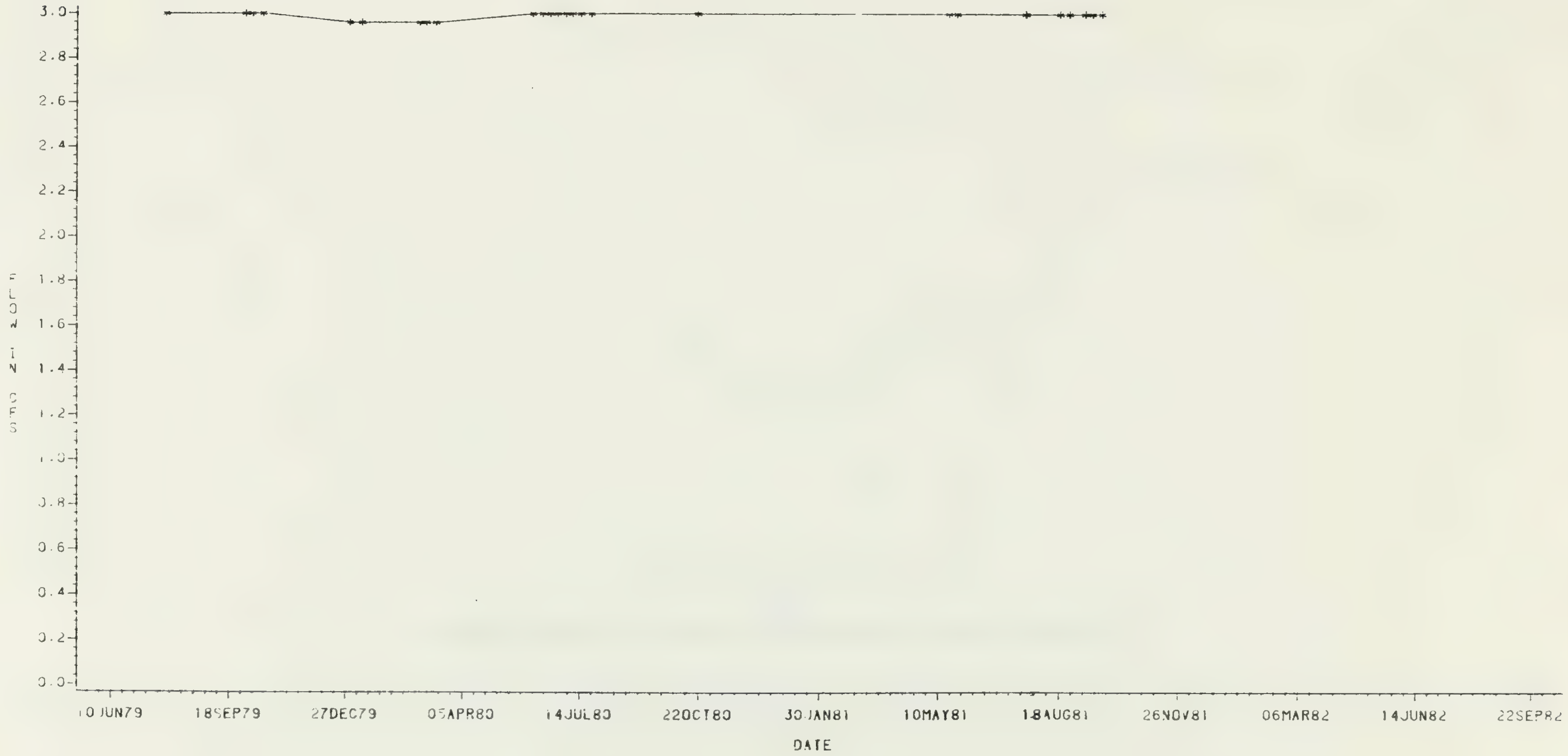
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS29



TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS30



TIME SERIES PLOT FOR SPRINGS AND SEEPS

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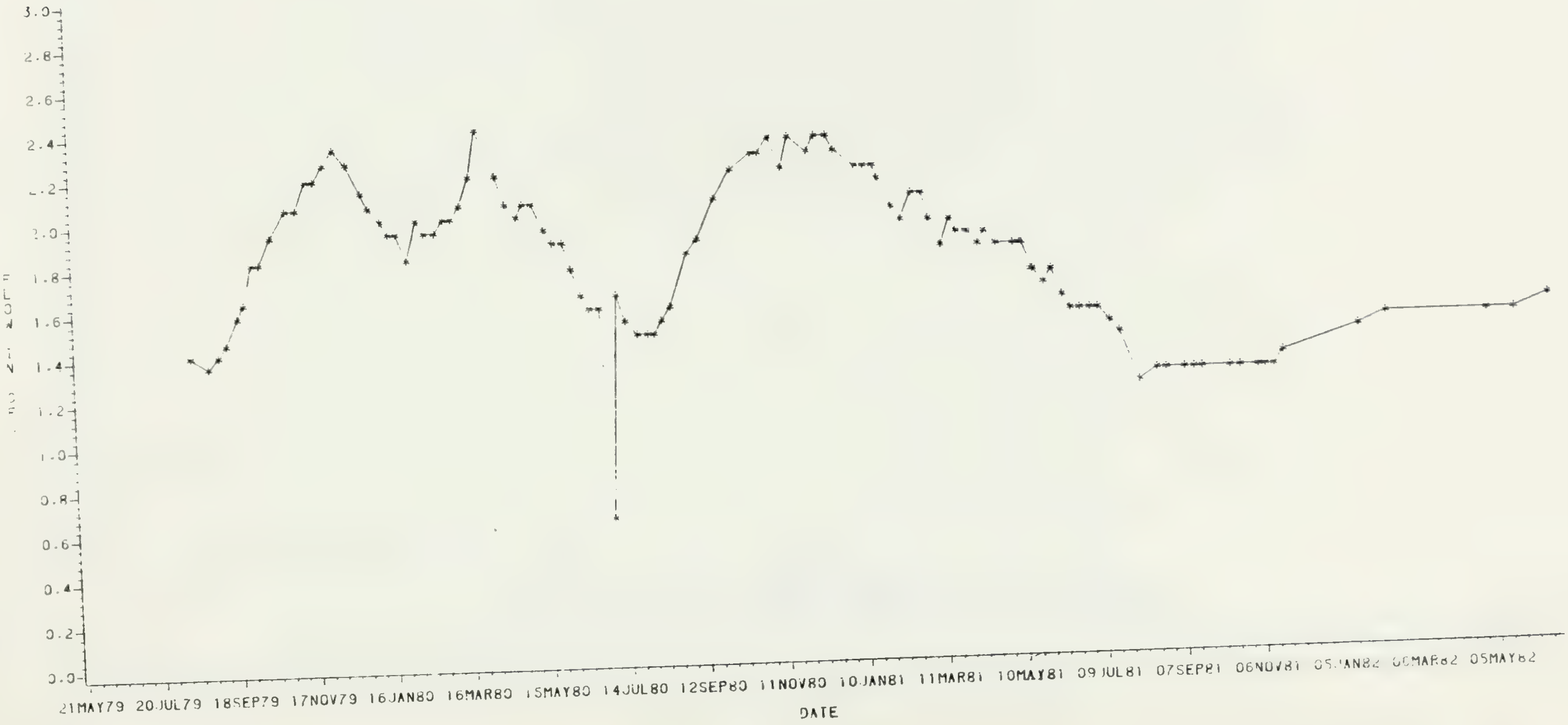

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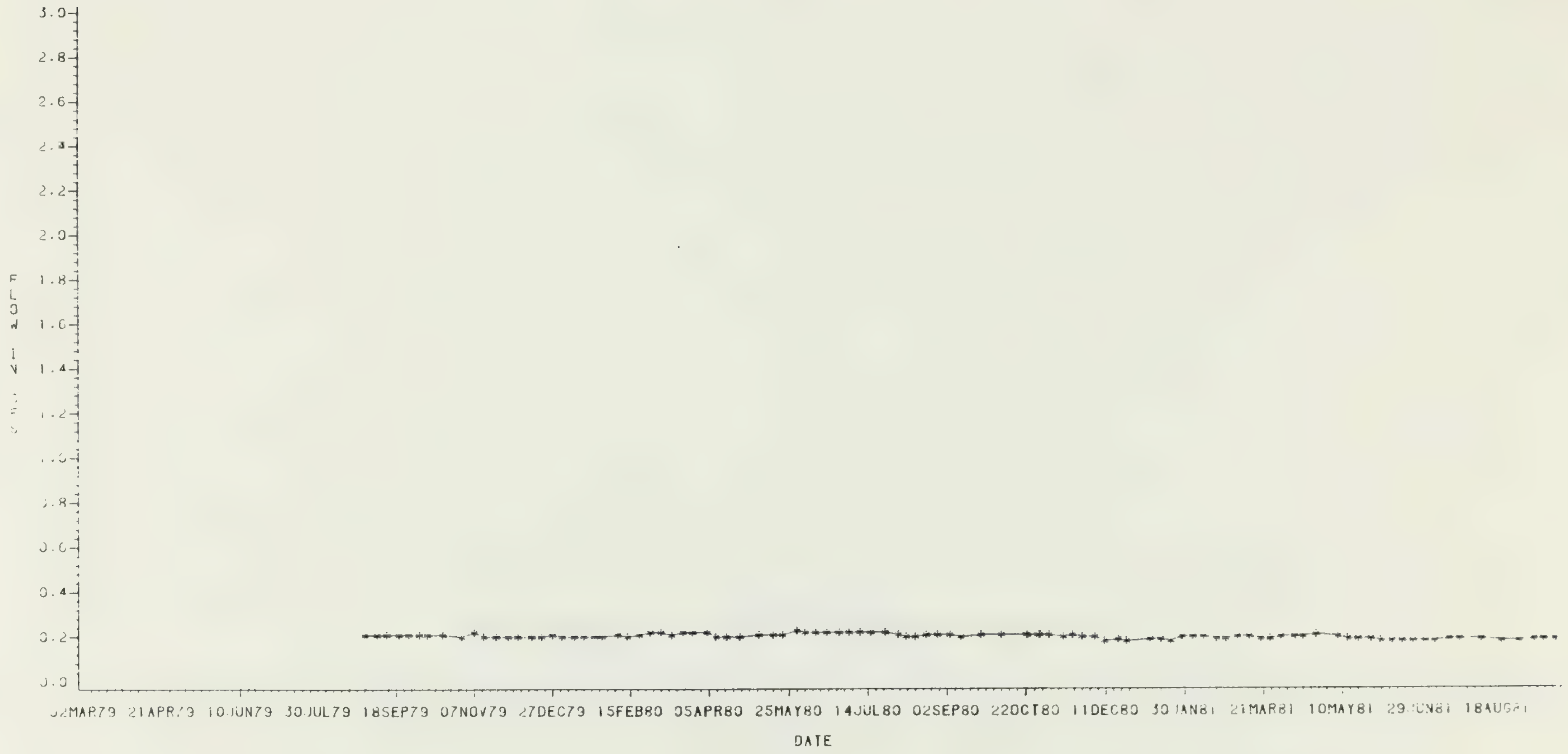
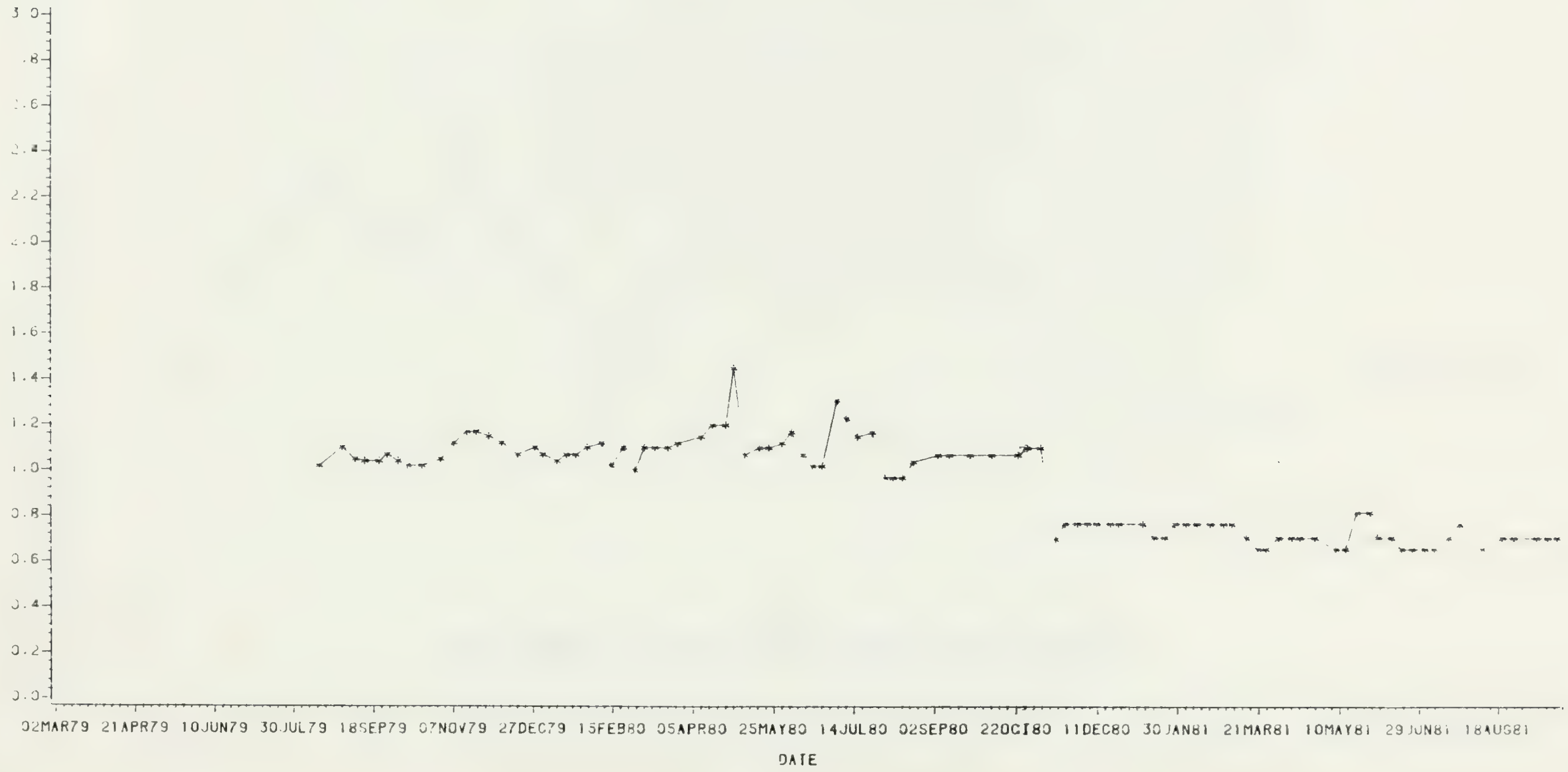


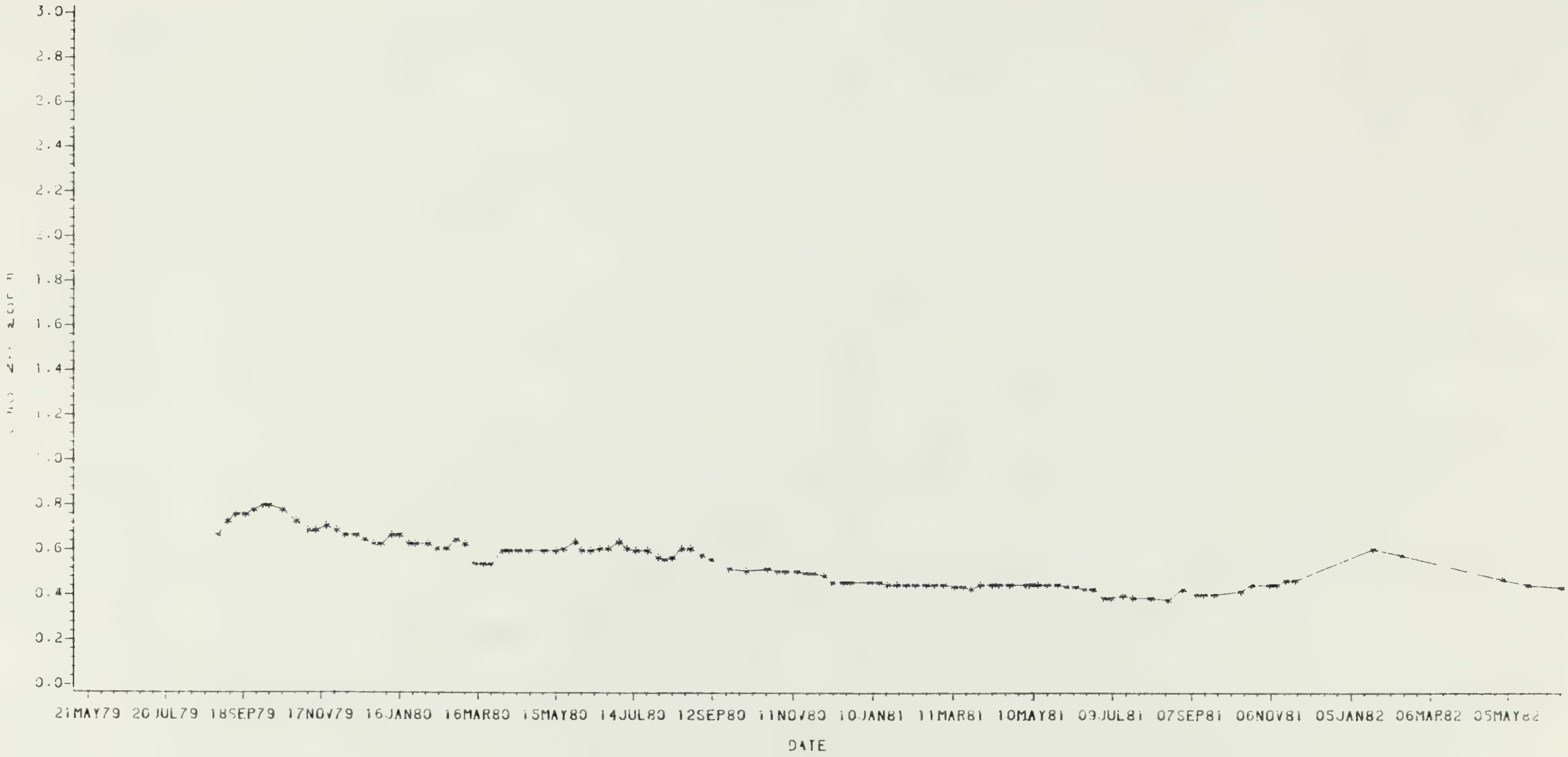
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS33



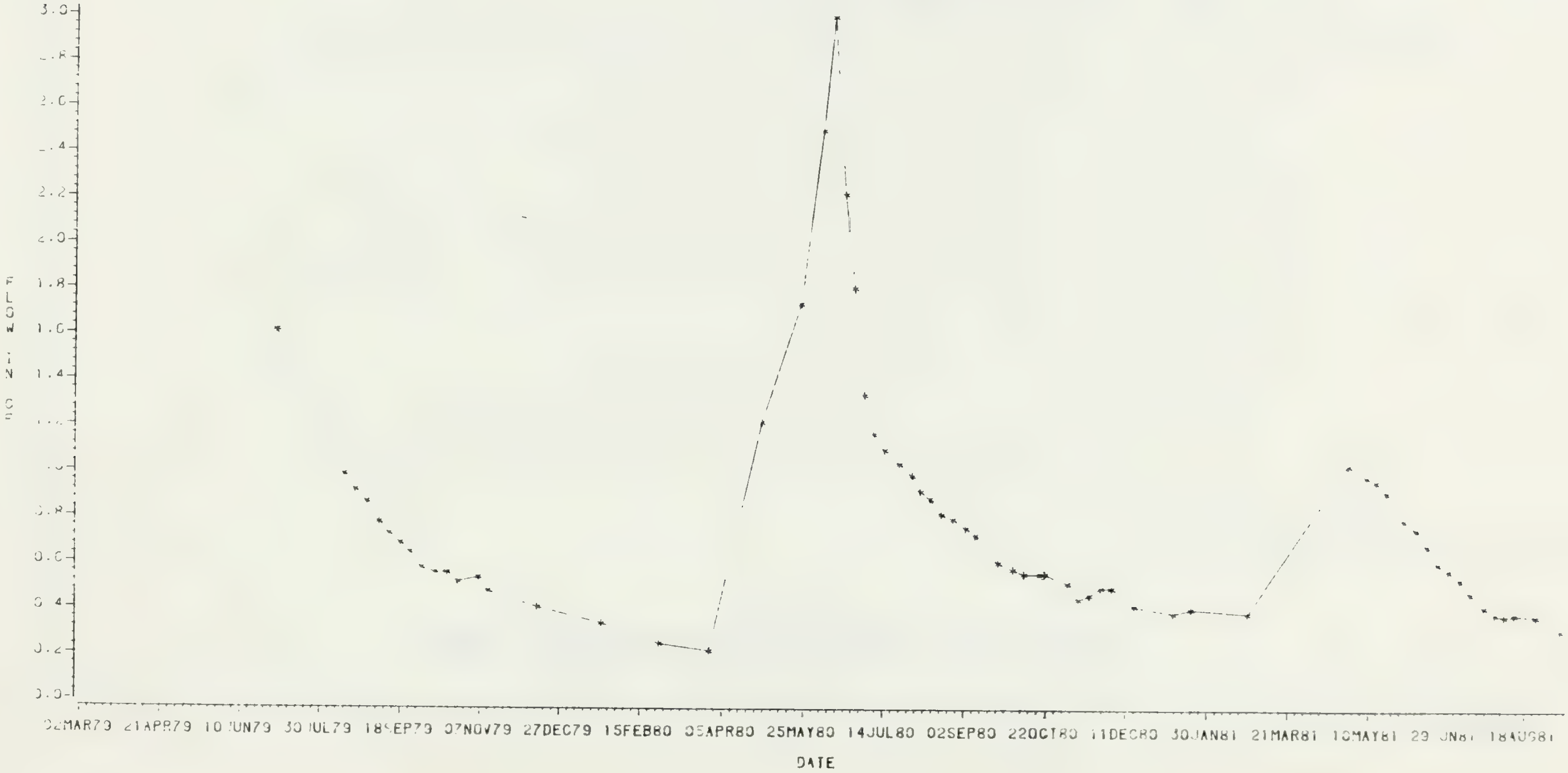
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS34



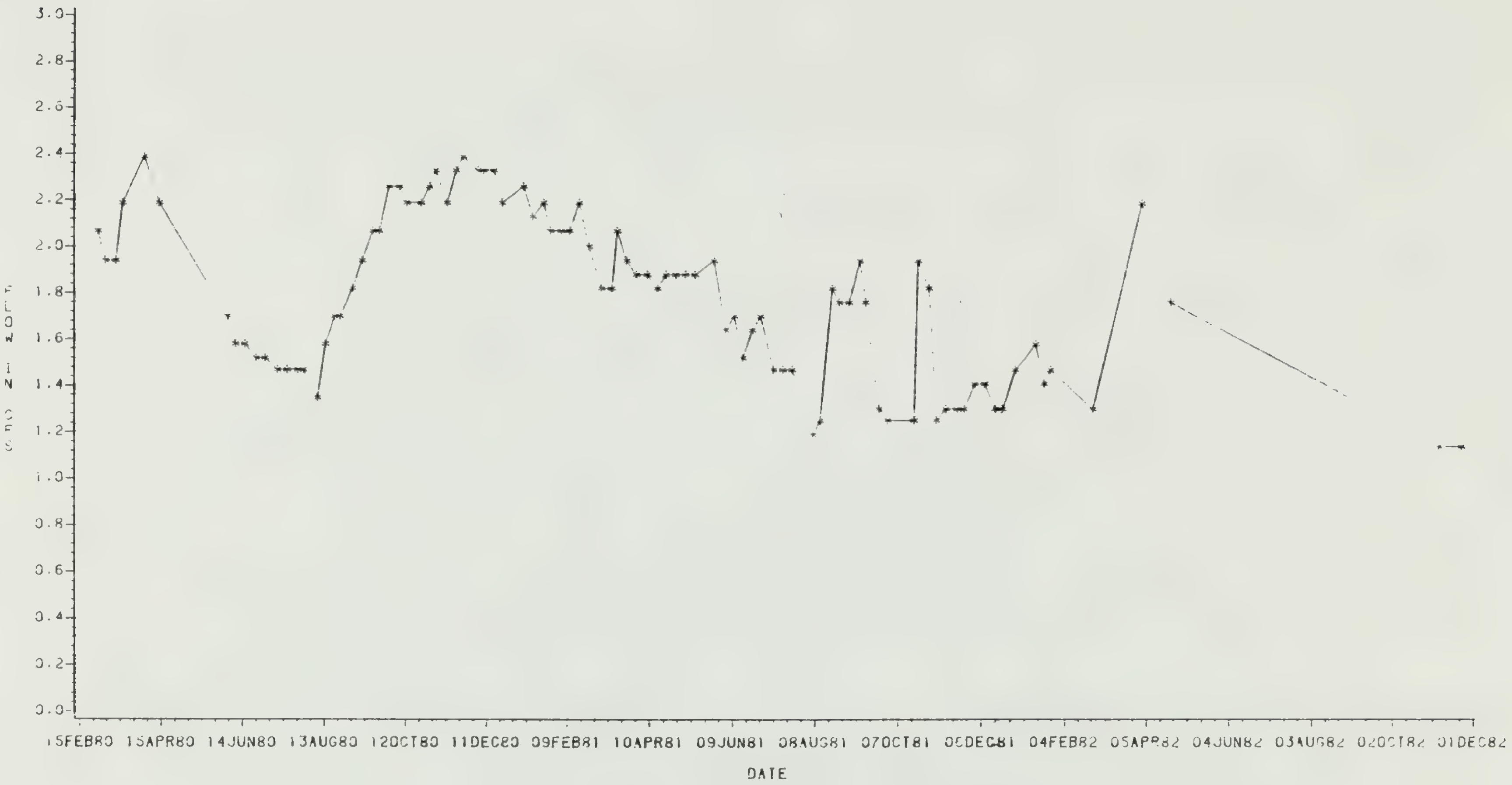
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS35



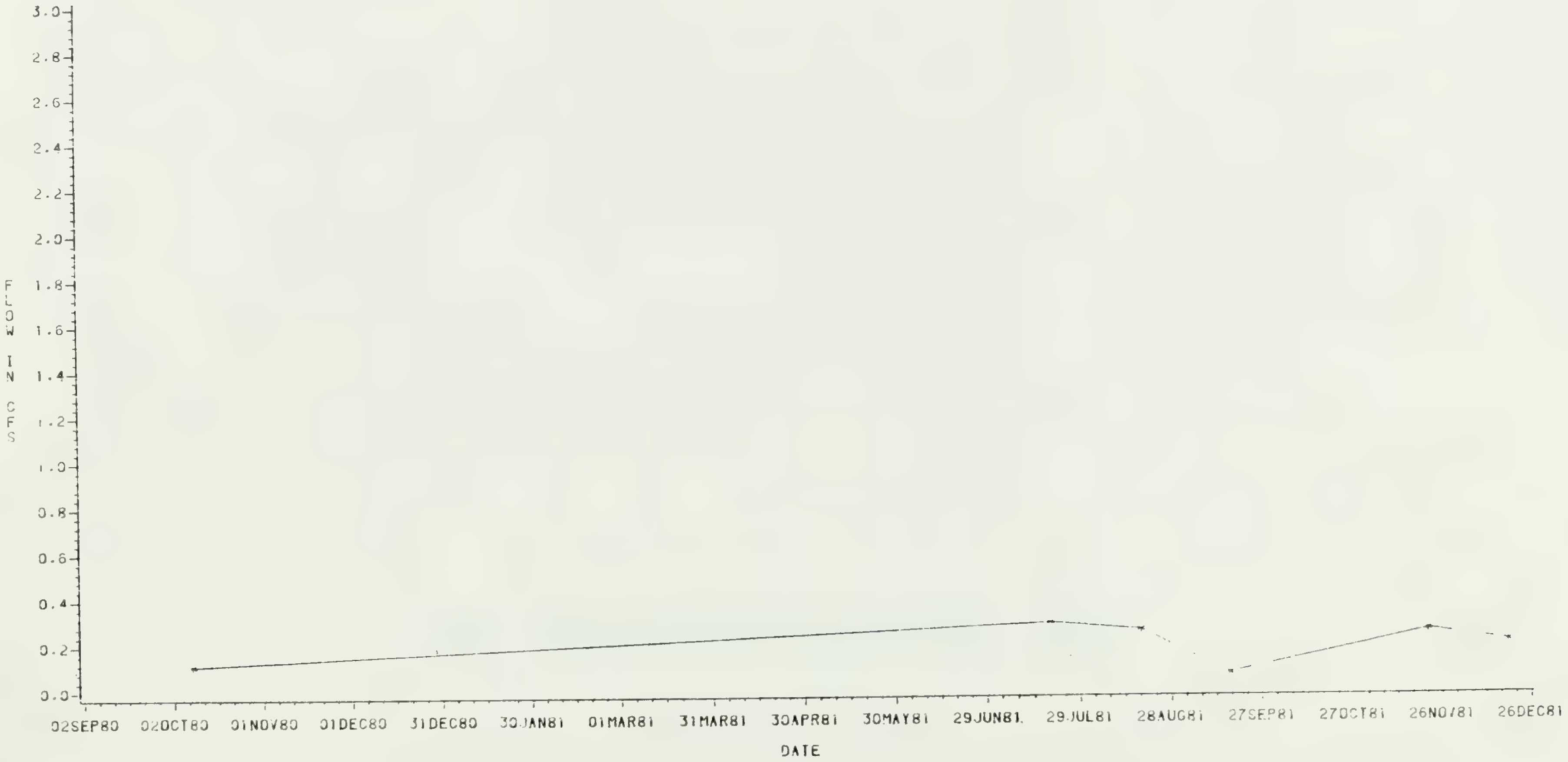
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS36



TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS37



2.2.1.3 Alluvial Wells

Alluvial wells are located on and near C-b Tract; these wells are shown in Figure 2.2.1.3-1.

Monitoring of alluvial wells was begun during the baseline period and has continued through C-b Tract's Developmental Monitoring Program, which ended March 1982. Approval of the Interim Monitoring Program (IMP) was granted by the Deputy Minerals Manager for Oil Shale for the period, March 1982 through March 1983.

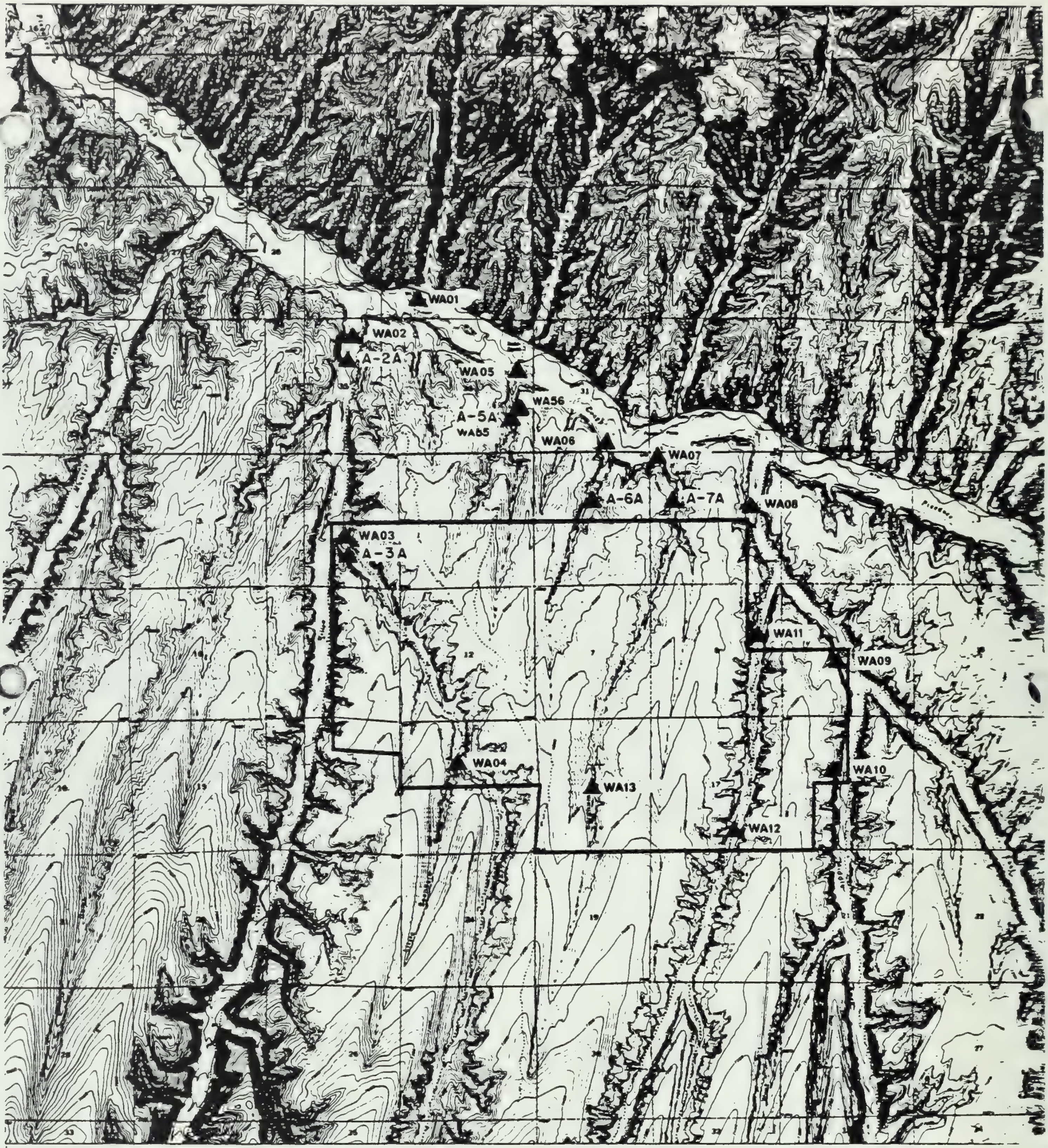
Data reported in this section are for the Interim Monitoring Program (IMP).

Water levels and field measurements were sampled monthly for all alluvials except dry holes during the DMP. Water levels sampling frequency remains unchanged during the IMP. Field measurements (temperature, pH and conductivity) are to be sampled semiannually unless a maximum or minimum greater than 20% deviation from baseline values occurs for pH or conductivity; then an additional water quality sample must be taken and analyzed. See Table 2.2-1 for station list and associated sampling frequency.

Table 2.2.1.3-1 presents water level and field measurement data for June 1982 through December 1982 for all alluvial wells.

Time series plots of alluvial well levels are presented in this section; for reference see Table 2.2.1.3-2.

Stevens Recorder instrumentation for monitoring continuous water levels were operating at ten alluvial wells during the Development Monitoring Program (DMP), hence these recorders were removed upon approval of the Deputy Mineral Manager for Oil Shale for the Interim Monitoring Program (IMP).


WA01
WA02
A-2A
WA05
WA56
A-5A
WA65
WA06
WA07
A-6A
A-7A
WA08
WA03
A-3A
WA11
WA09
WA04
WA13
WA10
WA12

ALLUVIAL AQUIFER MONITORING NETWORK

Figure 2.2.1.3-1

TABLE 2.2.1.3-1

CB-TRACT
WATER LEVELS AND FIELD MEASUREMENTS
ALLUVIAL WELLS
FOR SAMPLE DATE SHOWN

WELL	YR	MO	DY	STATUS	DEPTH (FT)	WATER TEMP (C)	PH	DISS OXYGEN (MG/L)	SPEC COND (UMHOS)
WA01	82	6	22		6241.5				
		7	16		6240.5				
		8	25		6239.0				
		9	28		6239.1				
		10	12		6238.7				
		11	15		6238.5				
		12	11		6237.7				
WA02	82	6	16		6270.6				
		7	14		6270.5				
		8	25		6269.4				
		9	29		6269.6				
		10	29		6269.1				
		11	15		6269.1				
		12	11		6268.6				
WA03	82	6	16		6362.7				
		7	14		6365.4				
		8	16		6368.6				
		9	29		6370.9				
		10	26		6370.8				
		11	15		6366.6				
		12	11		6365.0				
WA05	82	6	22		6326.2				
		7	16		6327.3				
		8	25		6327.6				
		9	20		6327.4				
		10	12		6327.3				
		11	22		6327.2				
		12	11		6327.4				
WA06	82	6	22		6327.2				
		7	16		6332.7				
		8	31		6326.7				
		9	20		6326.0				
		10	12		6325.4				
		11	19		6324.8				

PLUGGD = WELL PLUGGED
DRY = WELL DRY
FLWING = WELL FLOWING
INACCS = WELL INACCESSIBLE

TABLE 2.2.1.3-1 (Contd)

CB-TRACT
WATER LEVELS AND FIELD MEASUREMENTS
ALLUVIAL WELLS
FOR SAMPLE DATE SHOWN

WELL	YR	MO	DY	STATUS	DEPTH (FT)	WATER TEMP (C)	PH	DISS OXYGEN (MG/L)	SPEC COND (UMHOS)
WA06	82	12	11		6324.5				
WA07	82	6	22		6353.7				
		7	16		6355.6				
		8	31		6351.6				
		9	20		6350.5				
		10	12		6349.9				
		11	19		6349.1				
		12	11		6348.8				
WA08	82	6	22		6387.0				
		7	16		6386.9				
		8	26		6385.0				
		9	20		6384.8				
		10	15		6385.1				
		11	19		6384.7				
		12	12		6384.5				
WA09	82	6	24		6492.1				
		7	16		6492.1				
		8	26		6491.9				
		9	20		6491.8				
		10	15		6491.7				
		11	19		6491.9				
		12	12		6492.0				
WA11	82	6	17		6450.0				
		7	16		6450.3				
		8	23		6450.2				
		9	20		6450.1				
		10	15		6450.1				
		11	19		6450.1				
		12	12		6450.1				
WA12	82	6	17		6639.4				
		7	16		6638.8				
		8	23		6634.5				
					6638.1				

PLUGGD = WELL PLUGGED
DRY = WELL DRY
FLWING = WELL FLOWING
INACCS = WELL INACCESSIBLE

TABLE 2.2.1.3-1 (Contd)

CB-TRACT
WATER LEVELS AND FIELD MEASUREMENTS
ALLUVIAL WELLS
FOR SAMPLE DATE SHOWN

WELL	YR	MO	DY	STATUS	DEPTH (FT)	WATER TEMP (C)	PH	DISS OXYGEN (MG/L)	SPEC COND (UMHOS)
WA12	82	9	20		6638.0				
		10	15		6638.0				
		11	19		6638.0				
		12	12		6638.2				
WA55	82	6	22	DRY					
		7	26		6439.8				
		8	31		6440.1				
		9	28		6440.2				
		10	25		6441.2				
WA56	82	6	22		-26.5				
		7	26		-21.5				
		8	31		-21.0				
		9	28		-20.9				
		10	25		-19.9				

PLUGGD = WELL PLUGGED
DRY = WELL DRY
FLWING = WELL FLOWING
INACCS = WELL INACCESSIBLE

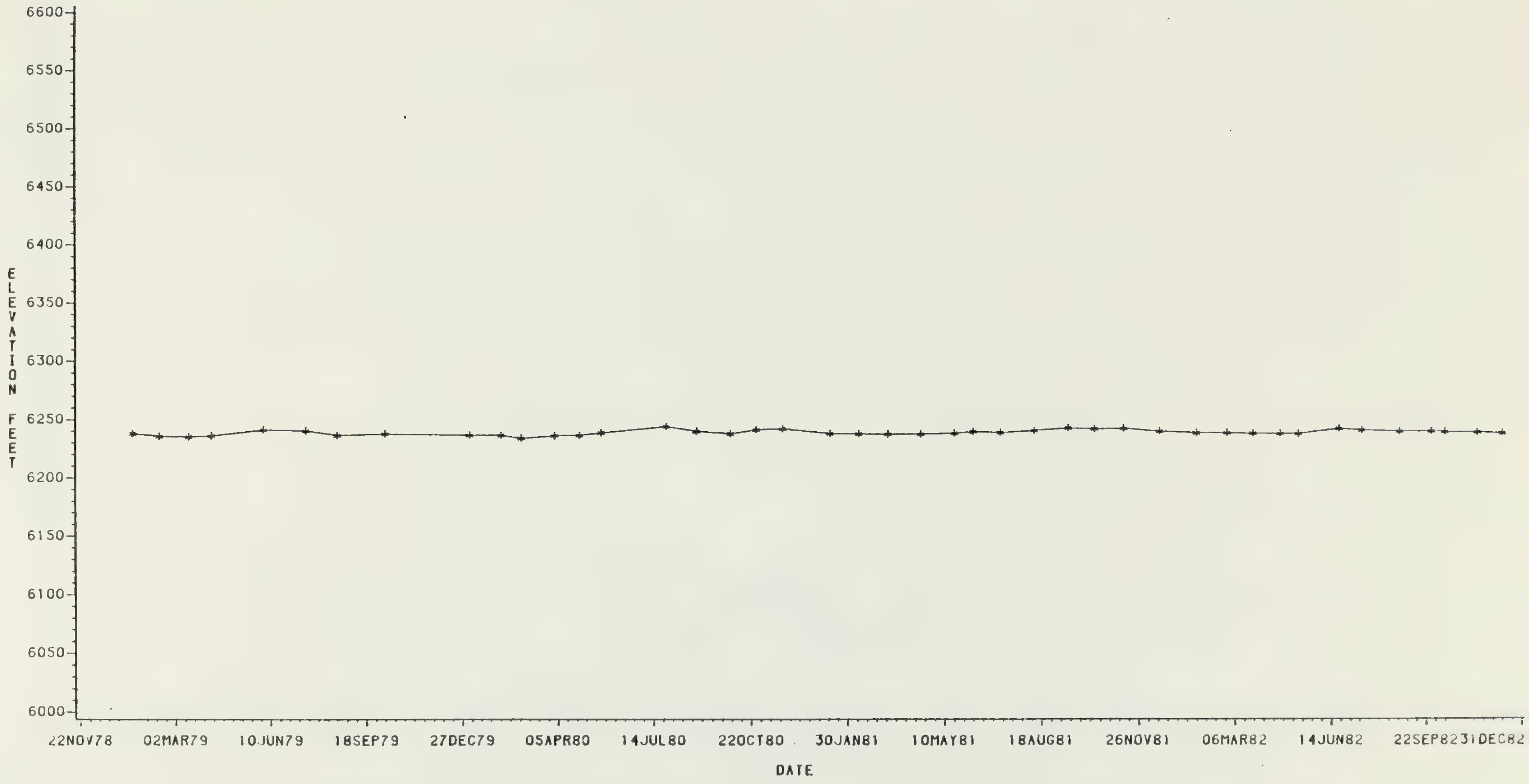
TABLE 2.2.1.3-2

PLOTS OF WATER LEVELS IN ALLUVIAL WELLS

Well No.	Computer Code	Page No.
A-1	WA01	I-89
A-2	WA02	I-90
A-3	WA03	I-91
A-5	WA05	I-92
A-6	WA06	I-93
A-7	WA07	I-94
A-8	WA08	I-95
A-9	WA09	I-96
A-10	WA10	I-97
A-11	WA11	I-98
A-12	WA12	I-99
A-5A	WA55	I-100

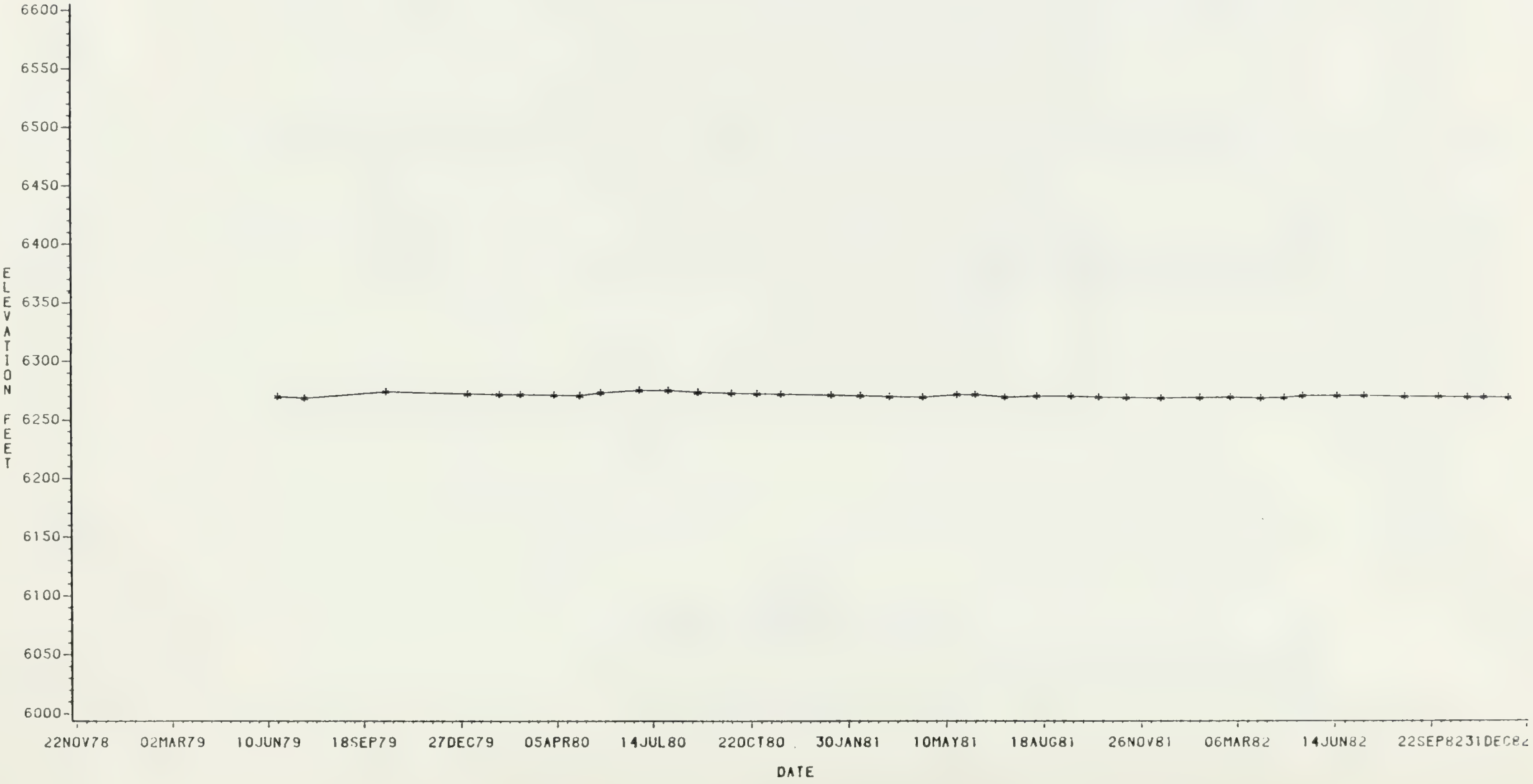
CB WELL LEVELS DATA

LOC=WA01



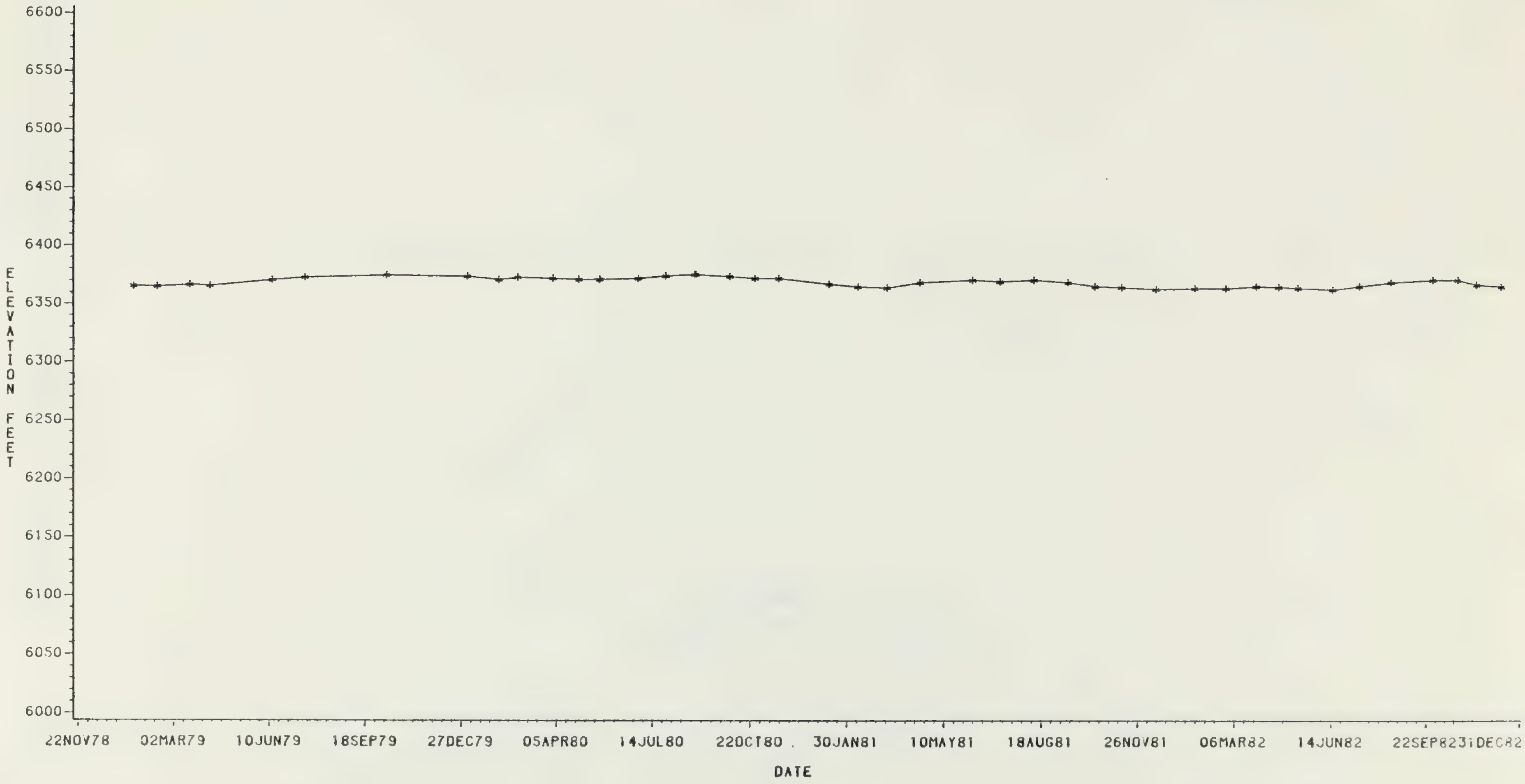
CB WELL LEVELS DATA

LOC=WA02



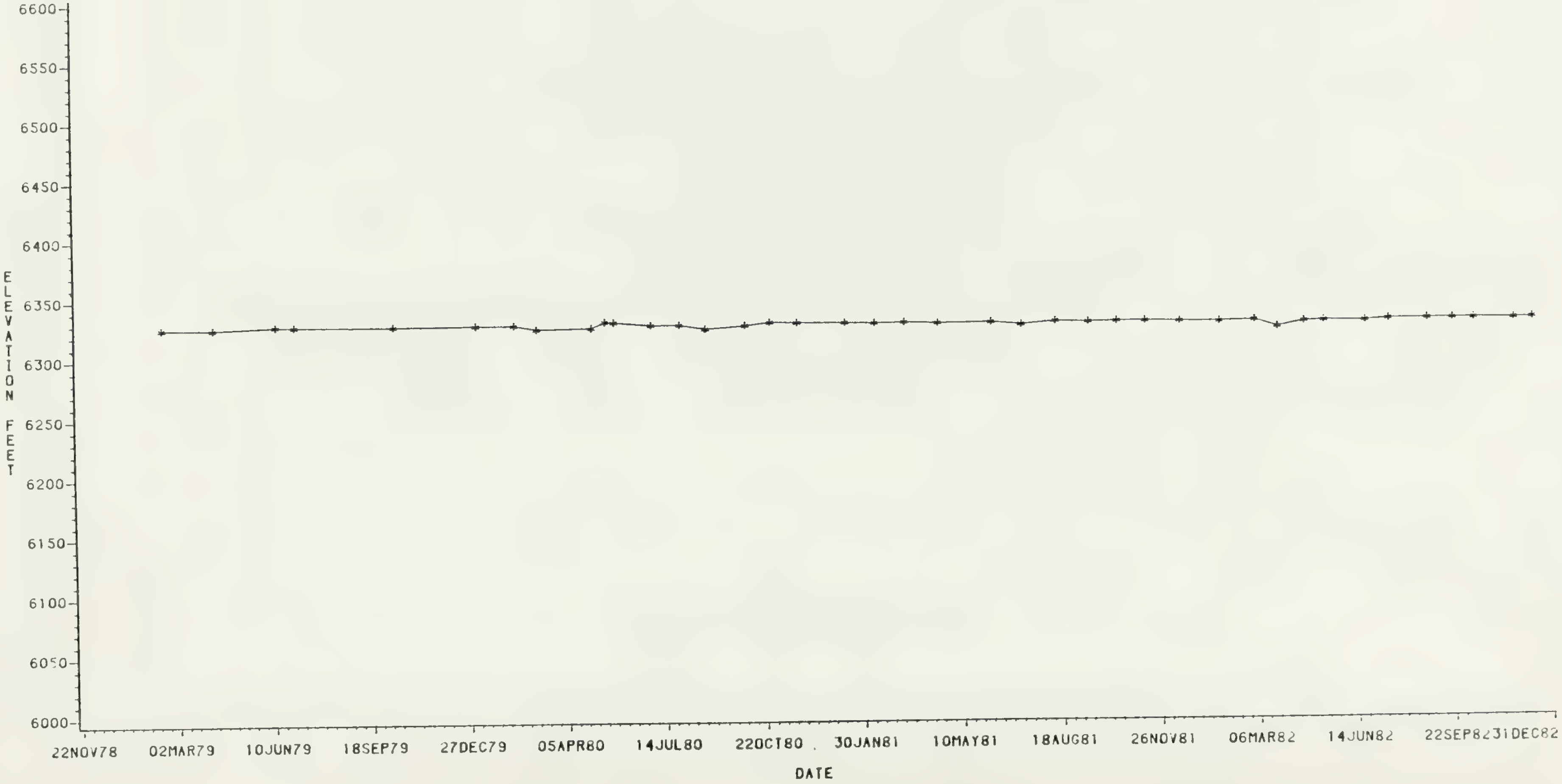
CB WELL LEVELS DATA

LOC=WA03



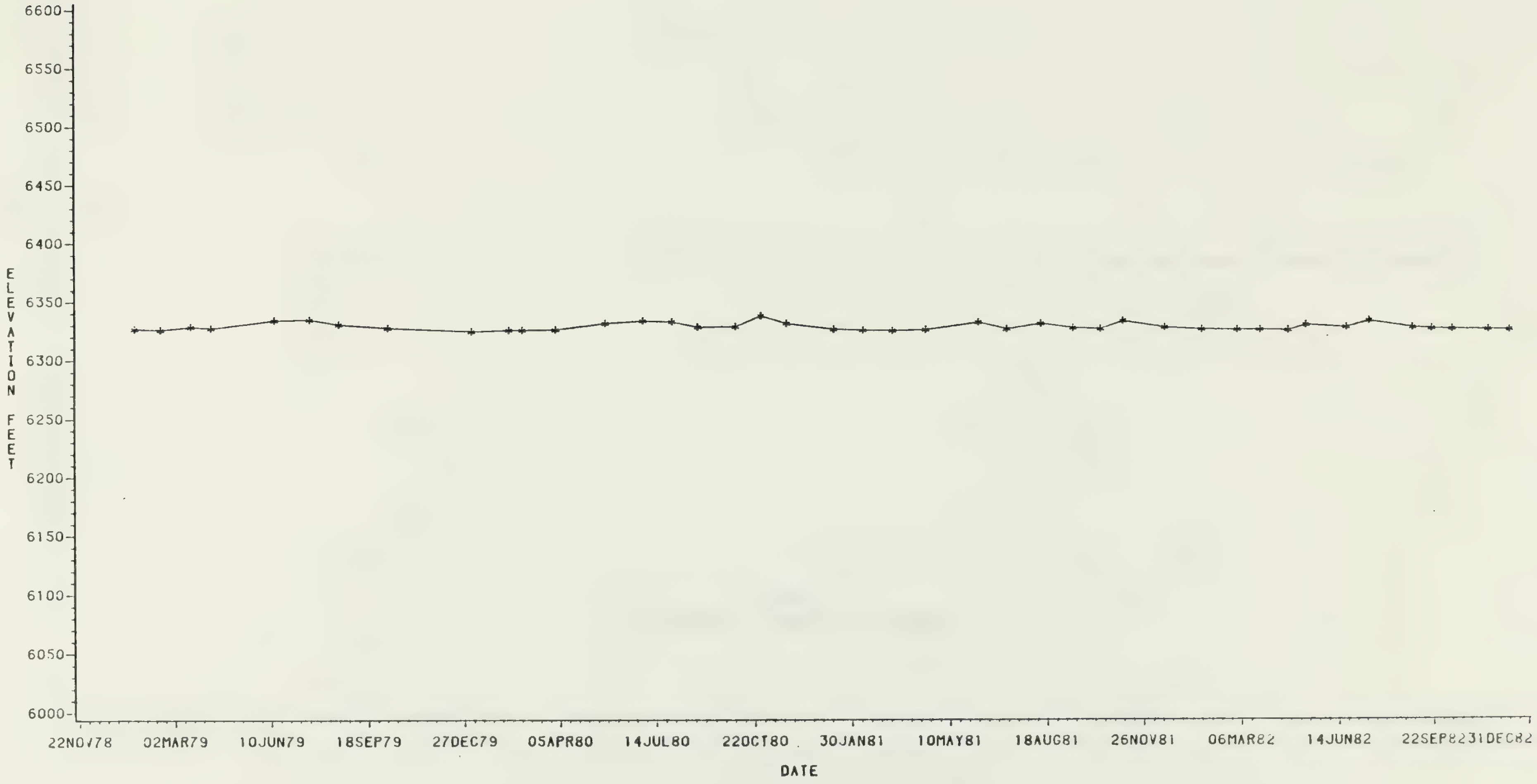
CB WELL LEVELS DATA

LOC=WA05



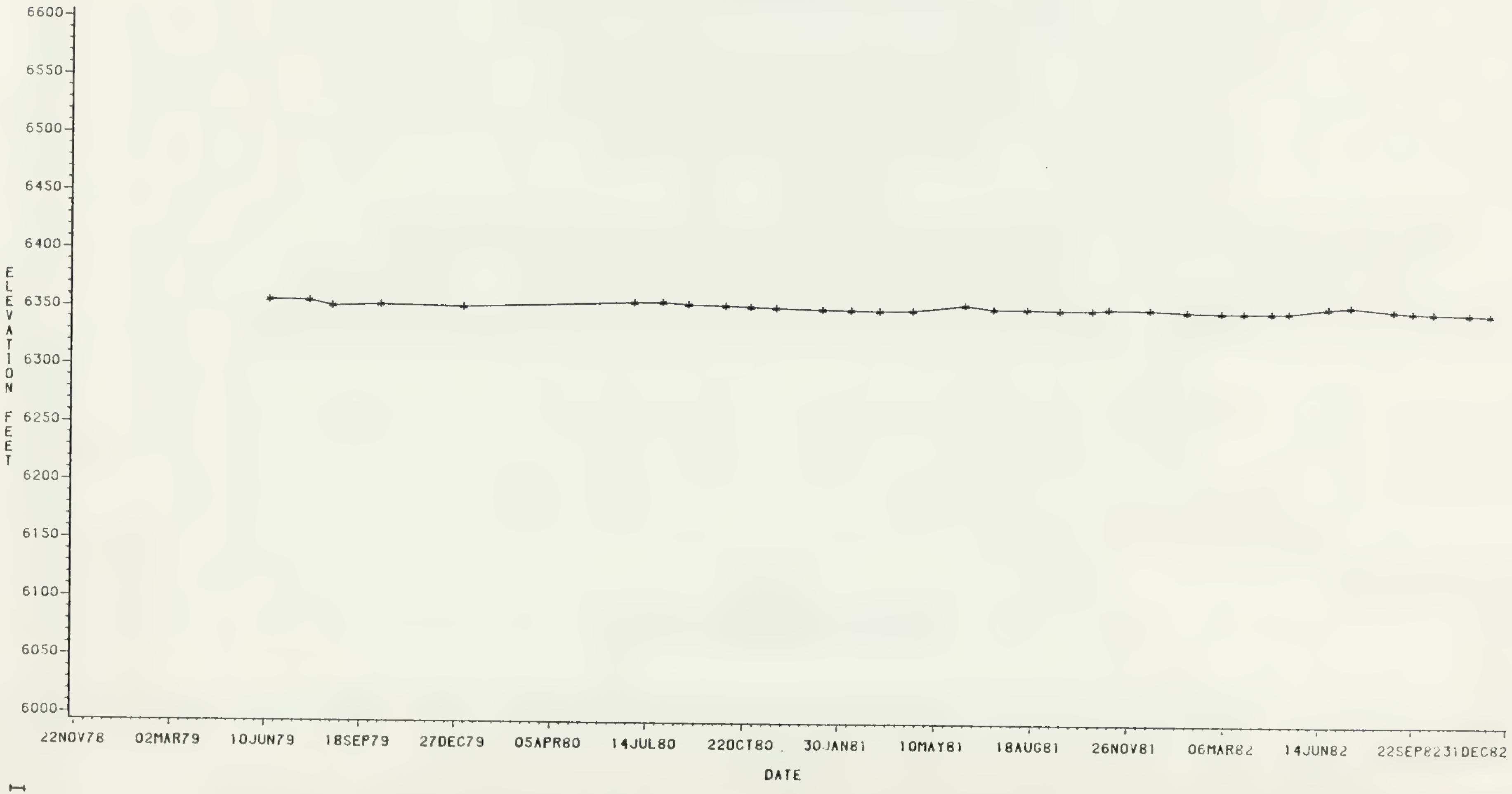
CB WELL LEVELS DATA

LOC=WA06



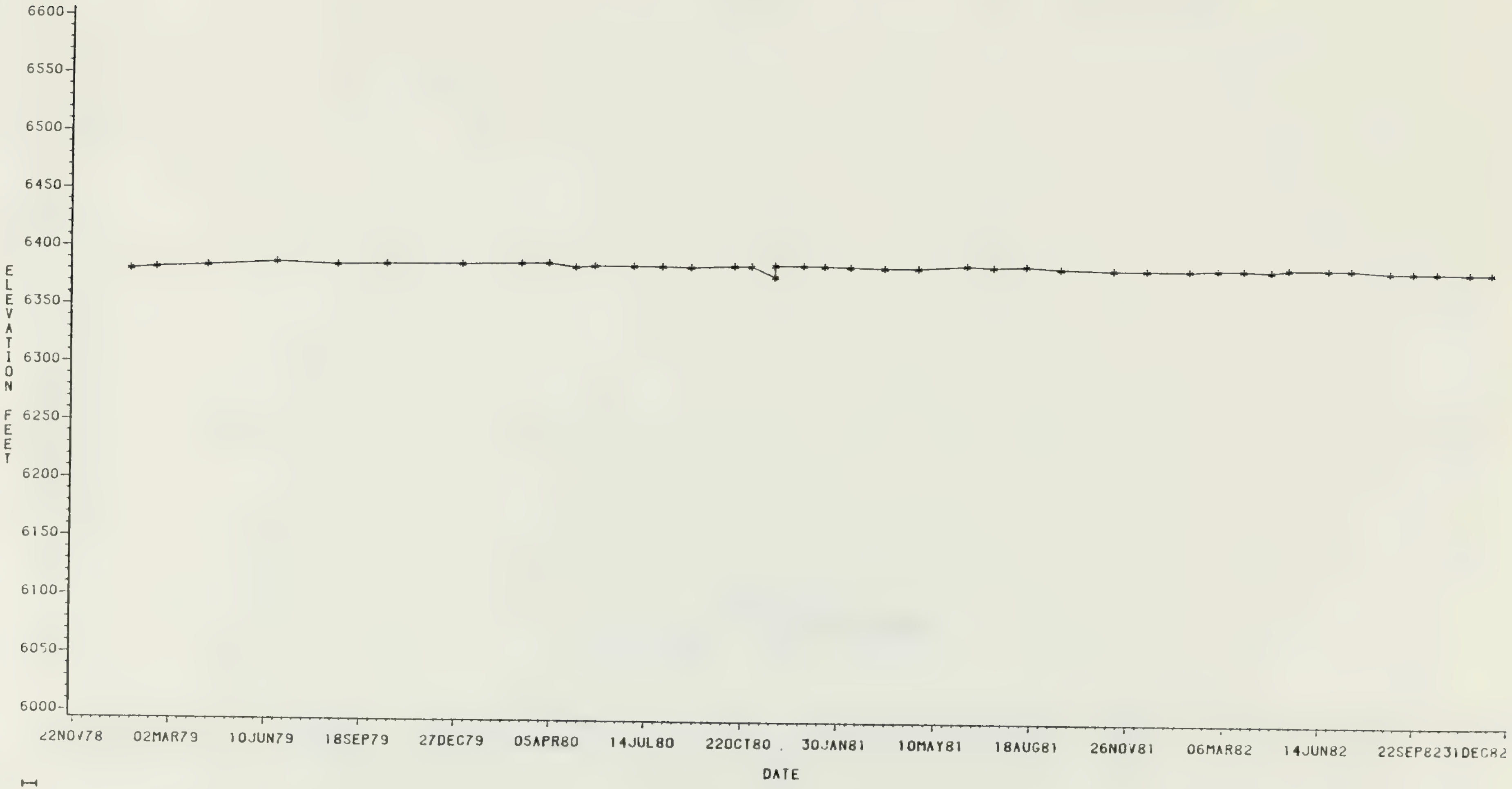
CB WELL LEVELS DATA

LOC=WA07



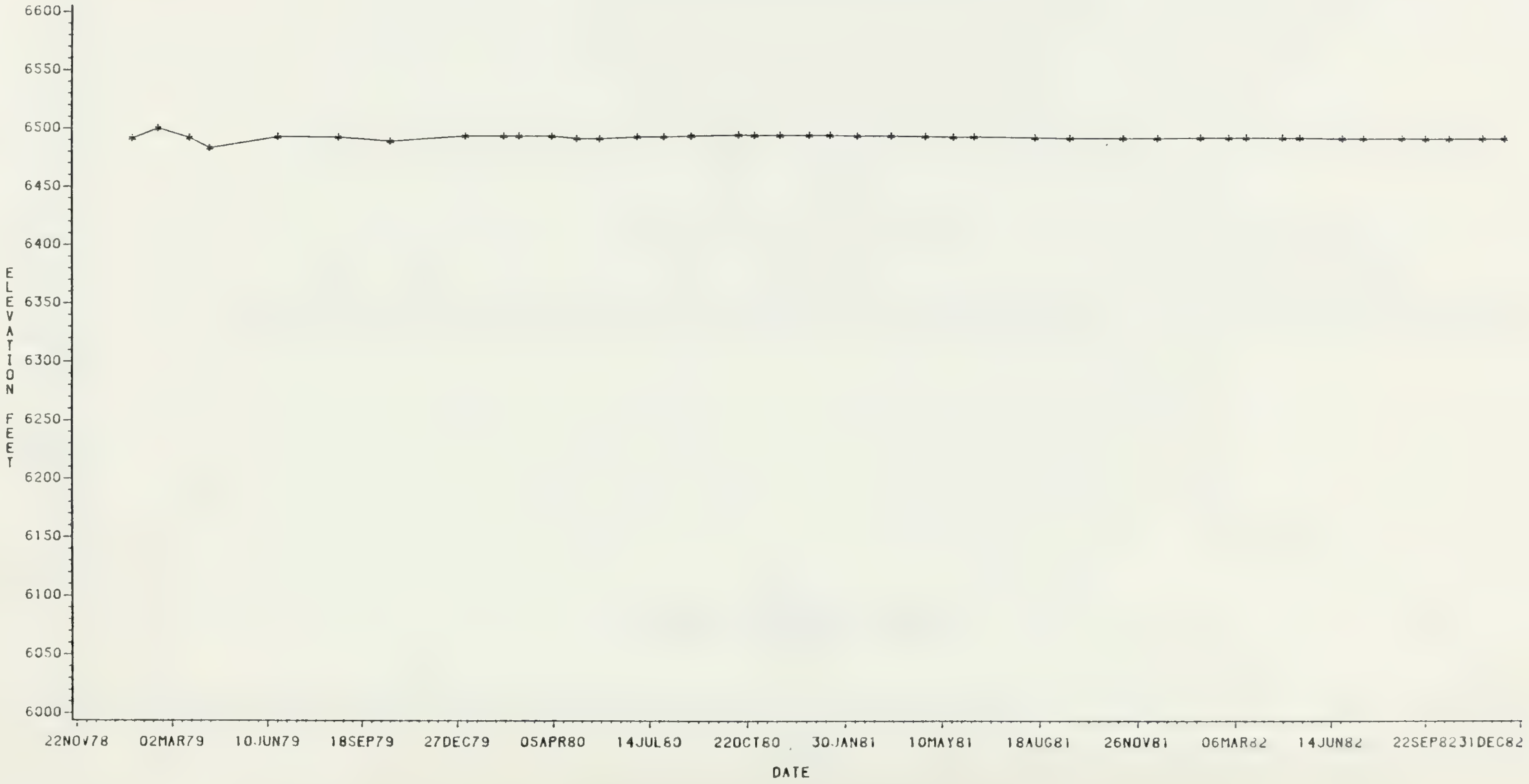
CB WELL LEVELS DATA

LOC=WA08



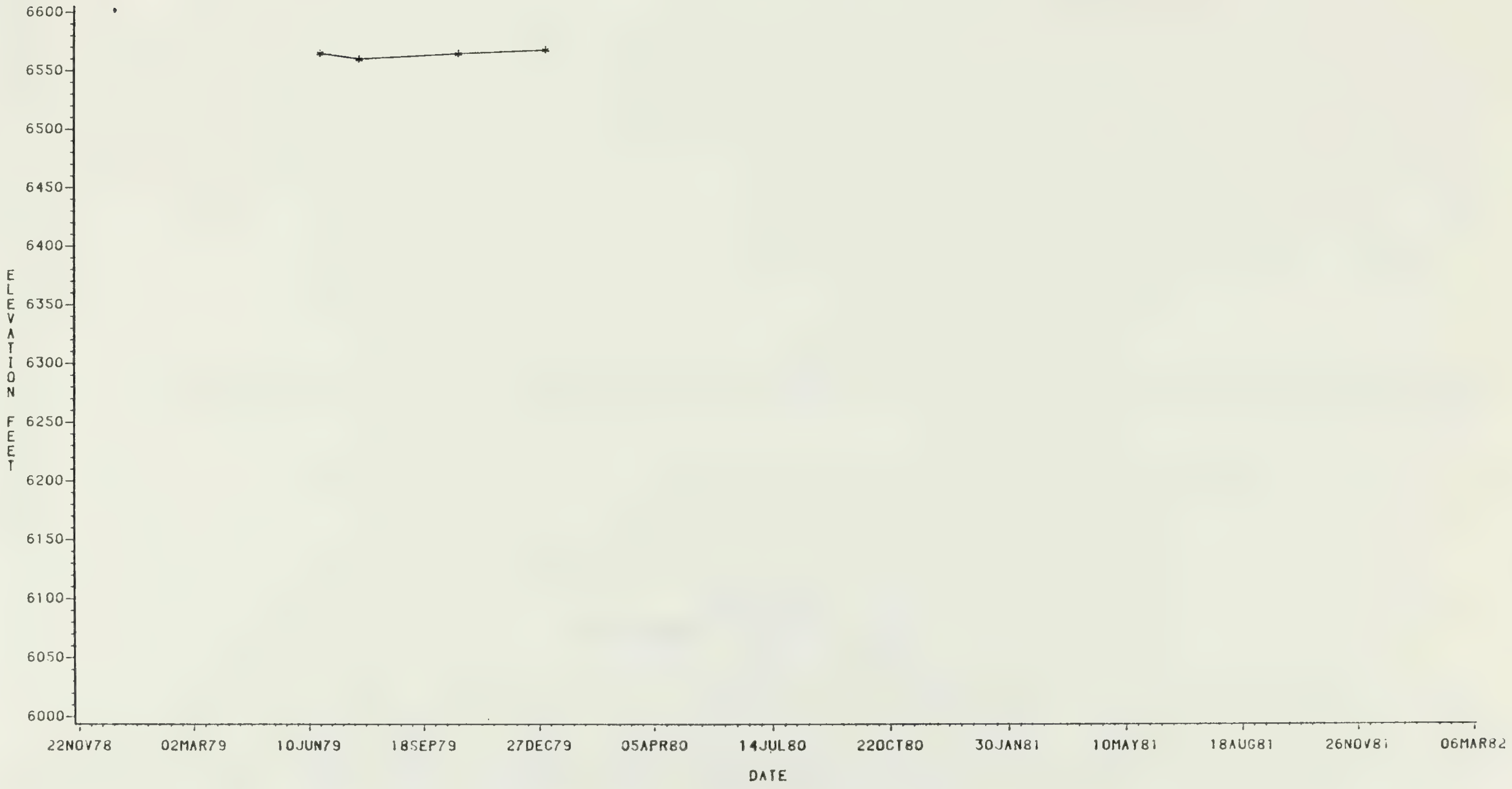
CB WELL LEVELS DATA

LOC=WA09



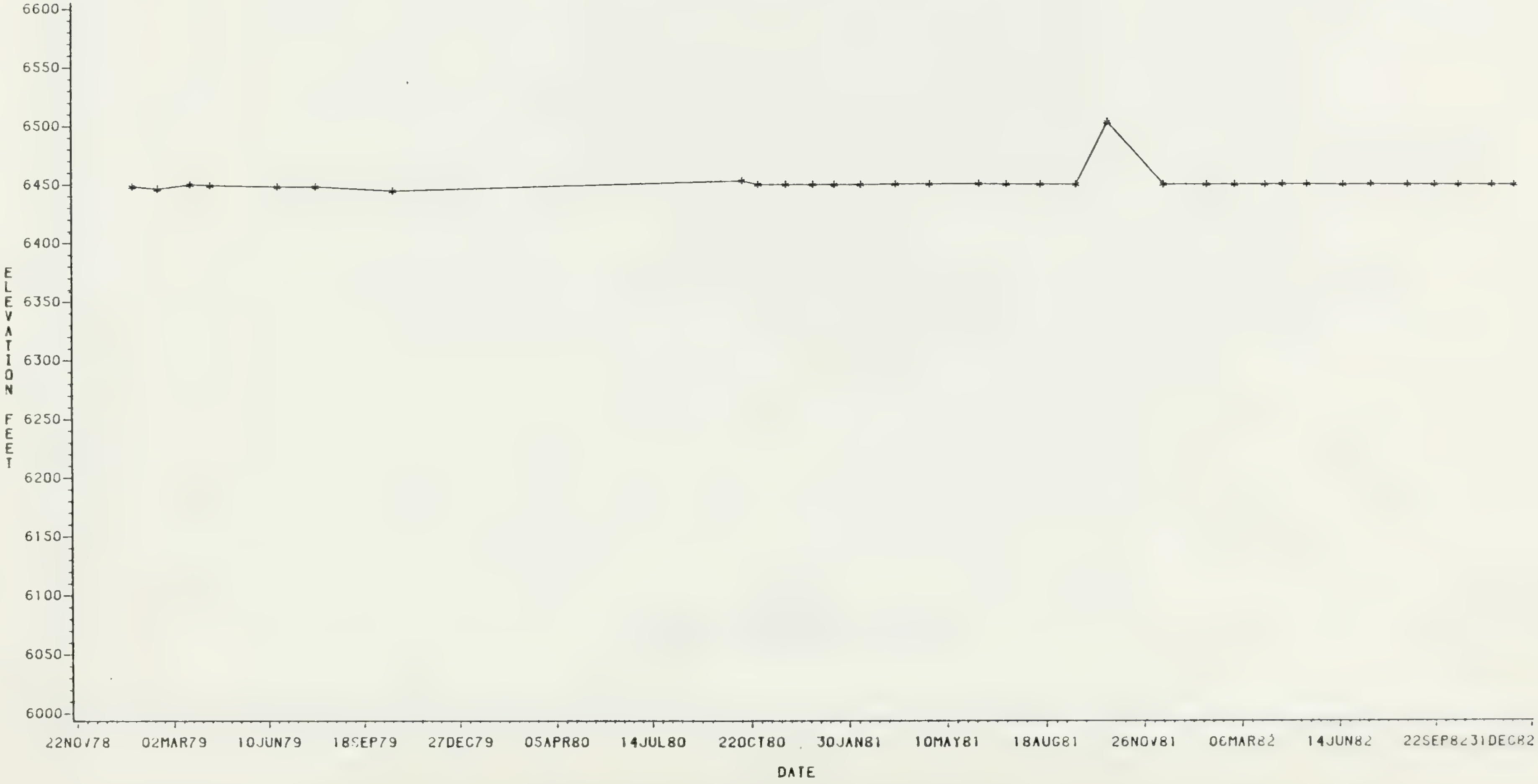
CB WELL LEVELS DATA

LOC=WA10



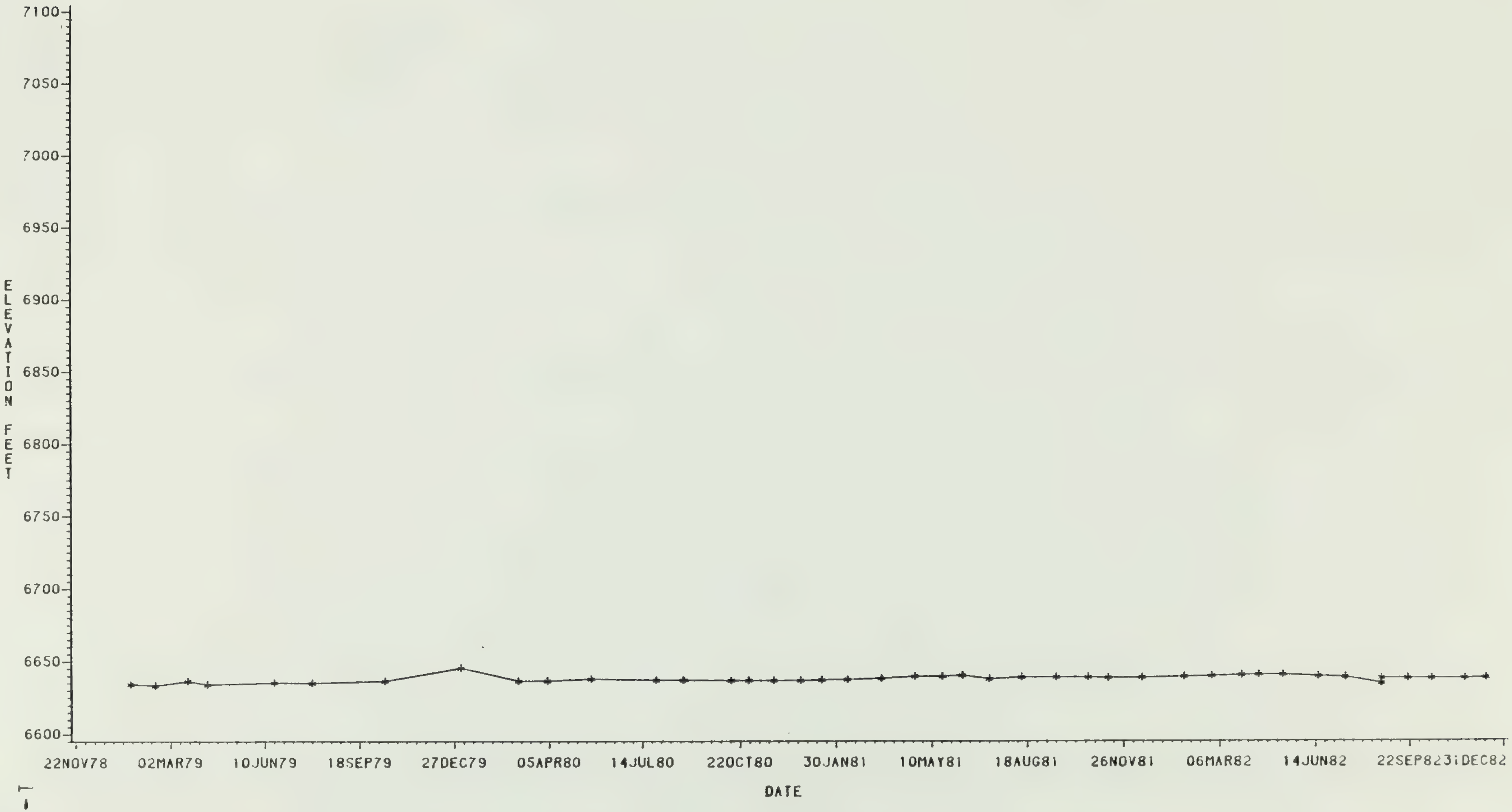
CB WELL LEVELS DATA

LOC=WA11



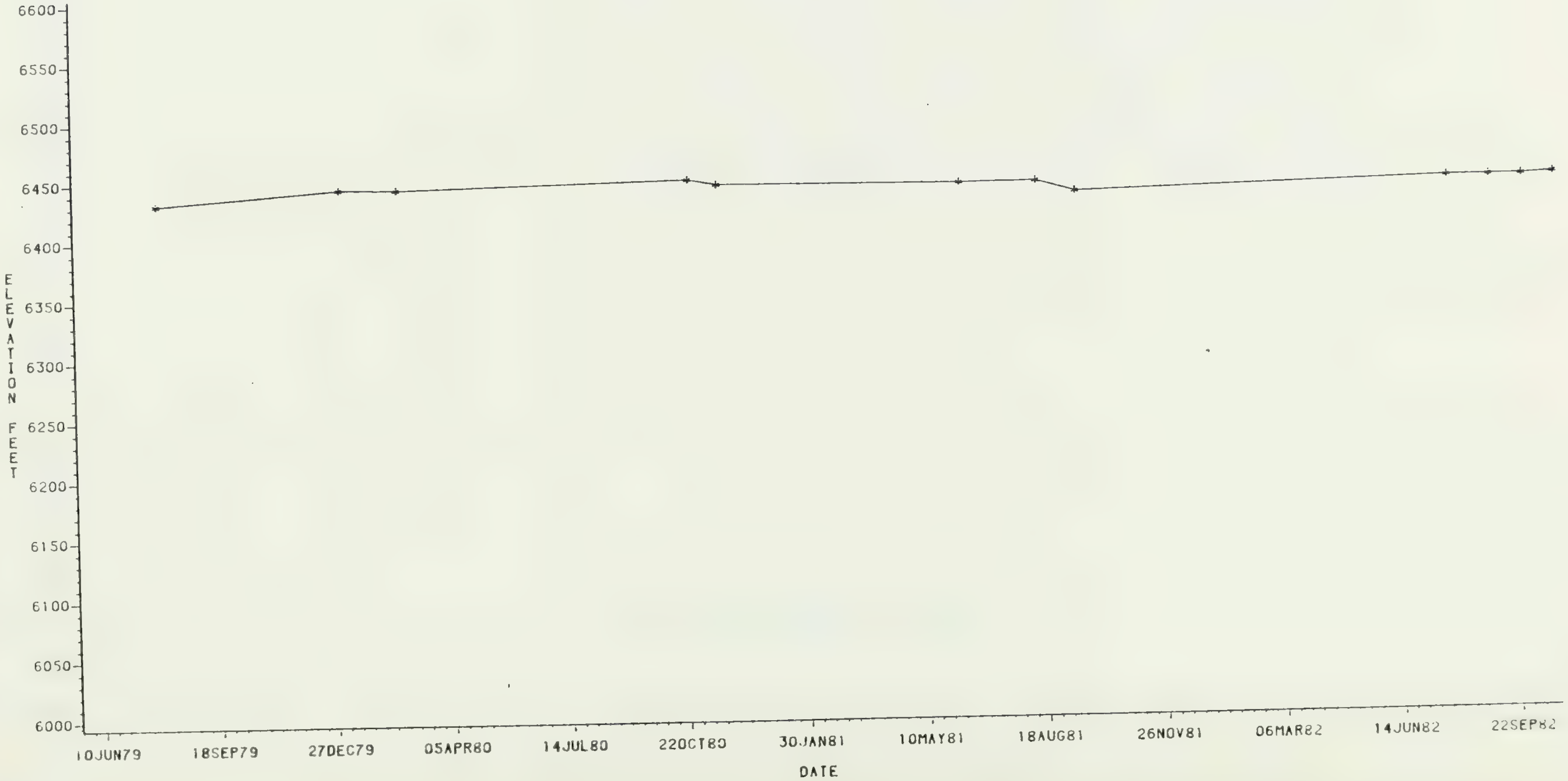
CB WELL LEVELS DATA

LOC=WA12



CB WELL LEVELS DATA

LOC=WASS



2.2.1.4 Upper Aquifer Wells

The close-in C-b Tract deep well monitoring network is presented in Figure 2.2.1.4-1. Remote well locations are shown in the jacket map, Exhibit A.

This section contains data for upper aquifer, upper Parachute Creek 1, (UPC$_1$) and upper Parachute Creek 2 (UPC$_2$) wells. Monitoring of the wells are required for the Interim Monitoring Program (IMP) and the Water Augmentation Plan (WAP), State of Colorado Court Decree.

Sampling frequency for these wells have changed during the IMP depending on location of the wells and purpose for monitoring; refer to Table 2.2-1 for frequency requirement of each well.

Time series plots of wells recompleted in Upper Parachute Creek 1 (UPC$_1$) and 2 (UPC$_2$) are presented in Levels and Flow Section 2.2.1. These wells are displayed as overlay plots of well strings located at the same sampling station.

The following list presents tables and figures of data reported in this section:

		Page No.
Table 2.2.1.4-1*	Water Levels In Upper Aquifer Wells	I-103
Table 2.2.1.4-2	Water Levels in Upper Aquifer Wells Required by WAP	I-104
Table 2.2.1.4-3*	Water Levels in Upper Parachute Creek 1	I-105
Table 2.2.1.4-4*	Water Levels in Upper Parachute Creek 2	I-107
Table 2.2.1.4-5*	Stevens Recorder Daily Water Levels - Upper Aquifer Wells	I-108
Table 2.2.1.4-6*	Stevens Recorder Daily Water Levels - Upper Parachute Creek 1	I-113
Table 2.2.1.4-7	Time Series Plots of Water Levels in Upper Aquifer Wells	I-118

* Stations reported in these data tables are required by the IMP.

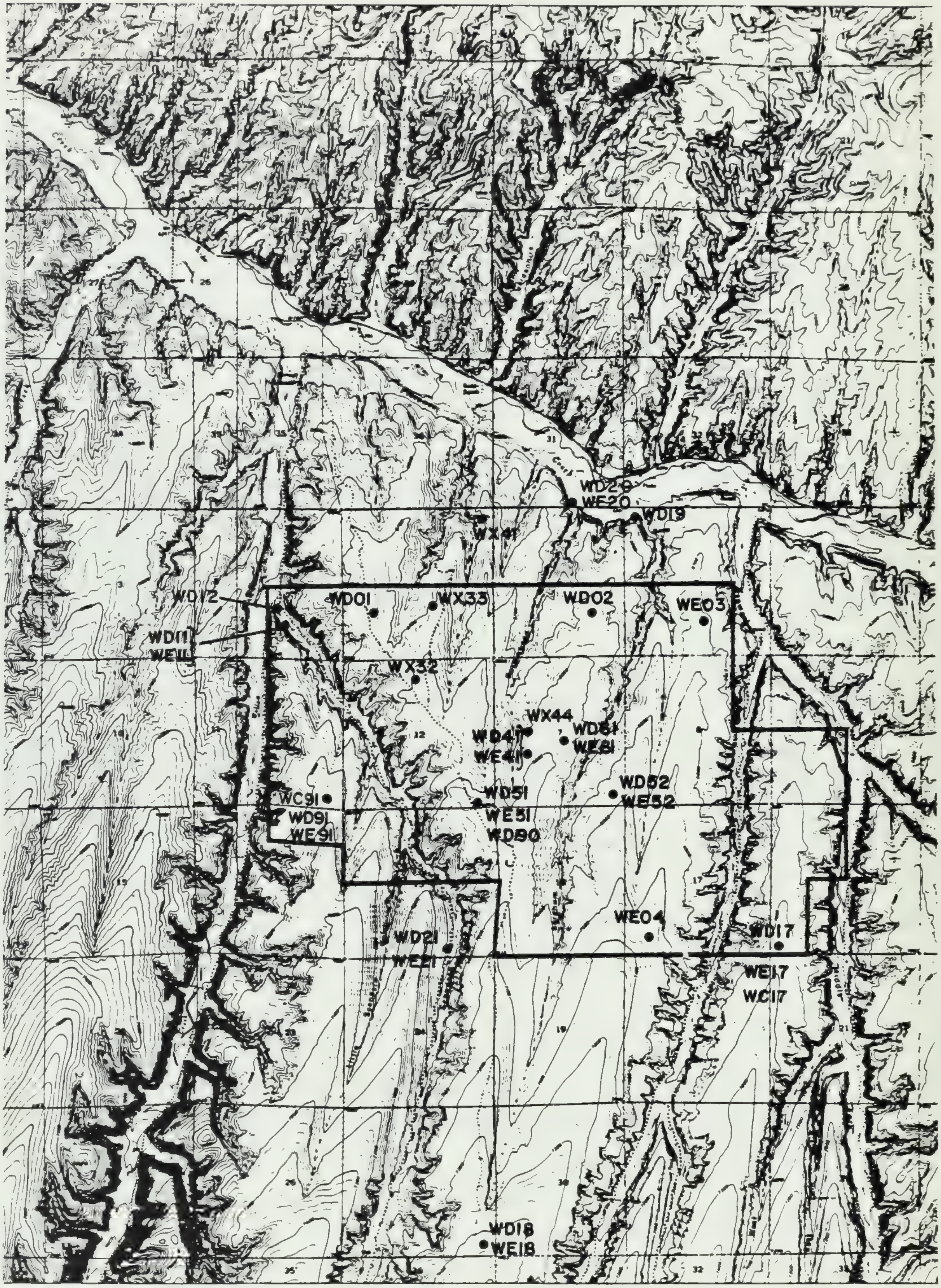

WD20
WE20
WD19
WX41
WD12
WD01
WX33
WD02
WE03
WD11
WE11
WX32
WX44
WD41
WE41
WD81
WE81
WD52
WE52
WC91
WD91
WE91
WD51
WE51
WD90
WE04
WD17
WE17
WC17
WD21
WE21
WD18
WE18

Figure 2.2.1.4-1
DEEP WELL MONITORING NETWORK NEAR
C-b TRACT

TABLE 2.2.1.4-1

[illegible]
WATER LEVELS IN UPPER AQUIFER WELLS
FOR SAMPLE DATE SHOWN

		WELL ID - M.P. ELEV (FT)	
		4X32	4X44
YR	MO	DEPTH (FT)	DEPTH (FT)
82	6	6037	5638
	7	6036	5551
	8	5974	5520
	9	5969	5505
	10	5967	5495
	11		5488
	12	5959	5462

PLUGGD = WELL PLUGGED
DRY = WELL DRY
FLWING = WELL FLOWING
INACCS = WELL INACCESSABLE

TABLE 2.2.1.4-2

CB-TRACT
WATER LEVELS IN UPPER AQUIFER WELLS
REQUIRED BY WATER AUGMENTATION PLAN
FOR SAMPLE DATE SHOWN

		WELL ID - MEASURING POINT ELEVATION (FT)						
		WX64	WX65	WX67	WX69	WX71	WX72	WX73
YR	MO	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)
82	7	6767	6333	6307	6898		6758	7647
	10	6768	6332	6307	6898	DRY	6759	7646

PLUGGD = WELL PLUGGED
DRY = WELL DRY
FLWING = WELL FLOWING
INACCS = WELL INACCESSABLE

TABLE 2.2.1.4-3

CB-TRACT
WATER LEVELS
UPPER PARACHUTE - CREEK 1
FOR SAMPLE DATE SHOWN

YR	MO	DY	WD02 ELEV (FT)	WD11 ELEV (FT)	WD12 ELEV (FT)	WD14 ELEV (FT)	WD15 ELEV (FT)	WD17 ELEV (FT)	WD18 ELEV (FT)	WD19 ELEV (FT)
82	5	16	6403		6349	6630	6623			
		17						6659		
		22								6351
	7	12							6910	
		14			6350					
		15								6352
		19	6404			6593	6621			
	8	16	6405			6552	6594			
		17						6659		
		23			6351					
		31								6349
	9	20	6405			6527	6562			6349
		29		6349	6351					
	10	12				-				6349
		13	6404			6517	6545		6914	
		15						6660		
		26			6352					
	11	15			6351					
		17	6403			6506	6527			
		19								6349
	12	11			6350					6346
		12	6402			6501	6517	6655		

PLUGGD = WELL PLUGGED
DRY = WELL DRY
FLWING = WELL FLOWING
INACCS = WELL INACCESSABLE

TABLE 2.2.1.4-3 (Contd)

CB-TRACT
WATER LEVELS
UPPER PARACHUTE - CREEK 1
FOR SAMPLE DATE SHOWN

YR	MO	DY	WD20 ELEV (FT)	WD21 ELEV (FT)	WD41 ELEV (FT)	WD51 ELEV (FT)	WD52 ELEV (FT)	WD57 ELEV (FT)	WD61 ELEV (FT)	WD90 ELEV (FT)	WD91 ELEV (FT)
82	6	16		6721	6616		6625		6551		6507
		17						6640			
		22	6329								
		24				6678				6673	
	7	12					6621				
		14		6719							
		19			6590				6554		
		25				6677				6671	
	8	15		6711	6567				6550		6497
		17						6640			
		23					6616				
		25				6672				6665	
		31	6329								
	9	7				-				6663	
		20	6329						6544		
		22					6613				
		24				6667				6661	
		28		6704							
	10	12	6329								
		13			6541				6540		
		14					6600				
		15						6640			
	11	1				6650				6654	
		15		6701							
		15								6652	
		17				6657	6596		6538		
		19	6328								
	12	11	6329	6701		6652				6647	
		12			6528		6593	6638	6536		

PLUGGED = WELL PLUGGED
DRY = WELL DRY
FLWING = WELL DRY
INACCS = WELL INACCESSABLE

TABLE 2.2.1.4-4

Cb-TRACT
WATER LEVELS
UPPER PARACHUTE - CREEK 2
FOR SAMPLE DATE SHOWN

YR	MO	DY	WE03 ELEV (FT)	WE04 ELEV (FT)	WE11 ELEV (FT)	WE17 ELEV (FT)	WE18 ELEV (FT)	WE20 ELEV (FT)	WE21 ELEV (FT)	WE41 ELEV (FT)	WE51 ELEV (FT)	WE52 ELEV (FT)	WE61 ELEV (FT)	WE91 ELEV (FT)
82	6	16	6559	6603					6702	6644		6655	6551	6519
		17				6633								
		22						6330						
		24									6821			
	7	12	6361	6603			6914					6624		
		14							6698					
		15						6331						
		19								6569			6554	
		20									6781			
	8	16							6688	6533			6550	6486
		17				6636		|						
		23	6363	6662								6599		
		25									6731			
		31						6332						
	9	20						6332					6544	
		22	6345	6661								6598		
		24									6692			
		28							6680					
		29			6344									
	10	12						6331						
		13					6914			6500			6540	
		14	6365	6659								6592		
		15				6636								
	11	1									6653			
		15							6675					
		17	6362	6659							6640	6592	6538	
		19						6331						
	12	11						6331	6671		6624			
		12	6362	6660		6633				6485		6588	6541	

PLUGGD = WELL PLUGGED
DRY = WELL DRY
FLWING = WELL FLOWING
INACCS = WELL INACCESSABLE

TABLE 2.2.1.4-5

CB-TRACT
STEVENS RECORDER WATER LEVELS
UPPER AQUIFER WELLS
FOR SAMPLE DATE SHOWN

			WELL ID - FT FROM GROUND LEVEL	
			WX32	WX38
YR	MO	DY	DEPTH (FT)	DEPTH (FT)
82	6	1	6036.98	6635.62
		2	6036.98	6636.32
		3	6036.98	6636.27
		4	6036.97	6636.50
		5	6036.97	6636.97
		6	6036.97	6637.14
		7	6036.97	6636.99
		8	6036.97	6637.05
		9	6036.97	6637.45
		10	6036.97	6637.49
		11	6036.97	6637.52
		12	6036.97	6637.15
		13	6036.97	6636.35
		14	6036.98	6636.44
		15	6036.98	6636.68
		16	6036.98	6636.71
		17	6036.98	6637.32
		18	6036.99	6637.93
		19	6036.99	6638.33
		20	6036.98	6638.68
		21	6036.98	6639.18
		22	6036.99	6639.02
		23	6036.98	6638.83
		24	6036.99	6638.93
		25	6036.99	6639.18
		26	6036.99	6639.33
		27	6036.97	6639.54
		28	6036.96	6639.23
		29	6036.96	6639.37
		30	6036.97	6639.72
	7	1	6036.97	6636.75
		2	6036.97	6627.55
		3	6036.97	6619.66
		4	6036.97	6613.22
		5	6036.97	6607.54
		6	6036.97	6602.65
		7	6036.97	6597.30
		8	6036.98	6594.45
		9	6036.98	6590.83
		10	6036.98	6587.54
		11	6036.98	6584.57
		12	6036.98	6581.81
		13	6036.98	6579.17
		14	6036.98	6576.82
		15	6036.97	6574.51

TABLE 2.2.1.4-5 (Contd)

CB-TRACT
STEVENS RECORDER WATER LEVELS
UPPER AQUIFER WELLS
FOR SAMPLE DATE SHOWN

			WELL ID - FT FROM GROUND LEVEL	
			WX32	WX38
YR	MO	DY	DEPTH (FT)	DEPTH (FT)
82	7	16	6036.92	6572.30
		17	6036.92	6571.63
		18	6036.92	6571.63
		19	6036.92	6571.63
		20	6036.92	6564.53
		21	6036.92	6562.72
		22	6036.92	6561.02
		23	6036.92	6559.34
		24	6036.92	6557.76
		25	6036.92	6556.16
		26	6036.93	6554.66
		27	6036.93	6553.25
		28	6036.93	6552.53
		29	6036.93	
		30	6036.93	
		31	6017.68	
	8	9		6534.72
		10		6533.82
		11		6532.91
		12		6531.96
		13		6531.07
		14		6530.18
		15		6529.23
		16		6528.37
		17		6527.53
		18		6526.98
		19		6526.97
		20		6526.98
		21		6526.97
		22		6526.96
		23		6526.96
		24		6526.96
		25		6526.96
		26		6526.96
		27		6526.95
		28		6526.96
		29		6526.95
		30		6526.95
		31		6526.96
	9	1		6516.61
		2		6516.01
		3		6515.59
		4		6514.84
		5		6514.23
		6		6513.69

TABLE 2.2.1.4-5 (Contd)

CB-TRACT
STEVENS RECORDER WATER LEVELS
UPPER AQUIFER WELLS
FOR SAMPLE DATE SHOWN

			WELL ID - FT FROM GROUND LEVEL	
			WX32	WX38
YR	MO	DY	DEPTH (FT)	DEPTH (FT)
82	9	7		6513.09
		8		6512.55
		9		6512.12
		10		6511.67
		11		6510.62
		12		6510.07
		13		6509.47
		14		6508.97
		15		6508.40
		16		6507.79
		17		6507.31
		18		6506.79
		19		6506.58
		20		6505.41
		21		6504.94
		22		6504.46
		23		6503.98
		24		6503.56
		25		6503.34
		26		6502.96
		27		6502.52
		28		6502.07
		29		6501.61
		30		6501.11
	10	1		6500.66
		2		6500.21
		3		6499.86
		4		6499.28
		5		6498.96
		6		6498.63
		7		6498.13
		8		6497.62
		9		6497.31
		10		6496.90
		11		6496.44
		12		6496.03
		13		6495.72
		14		6495.36
		15		6495.09
		16		6494.88
		17		6494.50
		18		6494.11
		19		6493.81
		20		6493.38
		21		6493.04

TABLE 2.2.1.4-5 (Contd)

CB-TRACT
STEVENS RECORDER WATER LEVELS
UPPER AQUIFER WELLS
FOR SAMPLE DATE SHOWN

			WELL ID - FT FROM GROUND LEVEL	
			WX32	WX38
YR	MO	DY	DEPTH (FT)	DEPTH (FT)
82	10	22		6492.75
		23		6492.48
		24		6492.22
		25		6492.07
		26		6491.66
		27		6491.38
		28		6491.16
		29		6490.92
		30		6490.63
		31		6490.25
	11	1		6489.98
		2		6489.68
		3		6489.41
		4		6489.12
		5		6488.95
		6		6488.72
		7		6488.52
		8		6488.22
		9		6488.09
		10		6487.85
		11		6487.46
		12		6487.15
		13		6486.81
		14		6486.63
		15		6486.39
		16		6486.24
		17		6486.08
		18		6485.85
		19		6485.61
		20		6485.39
		21		6485.13
		22		6484.78
		23		6484.51
		24		6484.19
		25		6483.91
		26		6483.84
		27		6483.67
		28		6483.53
		29		6483.49
		30		6483.54
	12	1		6483.09
		2		6482.78
		3		6482.61
		4		6482.37
		5		6482.20

TABLE 2.2.1.4-5 (Contd)

CB-TRACT
STEVENS RECORDER WATER LEVELS
UPPER AQUIFER WELLS
FOR SAMPLE DATE SHOWN

			WELL ID - FT FROM GROUND LEVEL WX32 DEPTH (FT)	WX38 DEPTH (FT)
82	12	6		6481.91
		7		6481.53
		8		6481.47
		9		6481.28
		10		6480.99
		11		6480.95

TABLE 2.2.1.4-6

CB-TRACT
STEVENS RECORDER WATER LEVELS
UPPER PARACHUTE - CREEK 1
FOR SAMPLE DATE SHOWN

YR	MO	DY	WD12 DEPTH (FT)	WD90 DEPTH (FT)
82	6	1	6349.26	
		2	6349.25	
		3	6349.20	
		4	6349.25	
		5	6349.33	
		6	6349.19	
		7	6349.17	
		8	6349.20	
		9	6349.17	
		10	6349.24	
		11	6349.29	
		12	6349.34	
		13	6349.38	
		14	6349.41	
		15	6349.38	
		16	6349.35	
		17	6349.38	
		18	6349.36	
		19	6349.35	
		20	6349.37	
		21	6349.39	
		22	6349.42	
		23	6349.41	
		24	6349.47	
		25	6349.50	
		26	6349.53	
		27	6349.56	
		28	6349.65	
		29	6349.66	
		30	6349.67	
	7	1	6349.73	
		2	6349.70	
		3	6349.72	
		4	6349.84	
		5	6349.92	
		6	6349.81	
		7	6349.86	
		8	6349.92	
		9	6349.94	
		10	6349.95	
		11	6349.99	
		12	6350.04	
		13	6350.04	
		14	6350.09	
		15	6350.17	

TABLE 2.2.1.4-6 (Contd)

CB-TRACT
STEVENS RECORDER WATER LEVELS
UPPER PARACHUTE - CREEK 1
FOR SAMPLE DATE SHOWN

YR	MO	DY	WD12 DEPTH (FT)	WD90 DEPTH (FT)
82	7	16	6350.24	
		17	6350.22	
		18	6350.22	
		19	6350.21	
		20	6350.21	
		21	6350.23	
		22	6350.24	
		23	6350.28	
		24	6350.36	
		25	6350.45	
		26	6350.46	
		27	6350.46	
		28	6350.46	
		29	6350.53	
		30	6350.54_	
		31	6350.56	
	8	1	6350.65	
		2	6350.74	
		3	6350.75	
		4	6350.75	
		5	6350.72	
		6	6350.75	
		7	6350.78	
		8	6350.84	
		9	6350.90	
		10	6350.98	
		11	6350.99	
		12	6351.01	
		13	6351.04	
		23	6351.28	
		24	6351.25	
		25	6351.26	
		26	6351.26	
		27	6351.24	
		28	6351.24	
		29	6351.24	
		30	6351.25	
		31	6351.24	
	9	1	6351.18	
		2	6351.19	
		3	6351.25	
		4	6351.28	
		5	6351.27	
		6	6351.29	
		7	6351.31	

TABLE 2.2.1.4-6 (Contd)

CB-TRACT
STEVENS RECORDER WATER LEVELS
UPPER PARACHUTE - CREEK 1
FOR SAMPLE DATE SHOWN

YR	MO	DY	#D12 DEPTH (FT)	#D90 DEPTH (FT)
82	9	8	6351.32	
		9	6351.36	
		10	6351.46	
		11	6351.51	
		12	6351.51	
		13	6351.54	
		14	6351.39	
		15	6351.42	
		16	6351.43	
		17	6351.39	
		18	6351.41	
		19	6351.44	
		20	6351.44	
		21	6351.42	
		22	6351.42	
		23	6351.44	
		24	6351.40	
		25	6351.44	
		26	6351.50	
		27	6351.68	
		28	6351.64	
		29	6351.59	
		30	6351.56	
	10	1	6351.42	
		2	6351.34	
		3	6351.35	
		4	6351.41	
		5	6351.37	
		6	6351.30	
		7	6351.38	
		8	6351.37	
		9	6351.24	
		10	6351.18	
		11	6351.23	
		12	6351.16	
		13	6351.13	
		14	6351.12	
		15	6351.10	
		16	6351.12	
		17	6351.16	
		18	6351.21	
		19	6351.10	
		20	6351.10	
		21	6351.09	
		22	6351.04	

TABLE 2.2.1.4-6 (Contd)

CB-TRACT
STEVENS RECORDER WATER LEVELS
UPPER PARACHUTE - CREEK 1
FOR SAMPLE DATE SHOWN

YR	MO	DY	WD12 DEPTH (FT)	WD90 DEPTH (FT)
82	10	23	6351.06	
		24	6351.06	
		25	6351.11	
		26	6351.15	
		27	6351.12	
		28	6351.04	
		29	6351.08	
		30	6351.11	
		31	6351.05	
	11	1	6351.01	6654.42
		2	6350.86	6654.07
		3	6350.81	6654.02
		4	6350.85	6653.95
		5	6350.89	6653.82
		6	6350.94	6653.80
		7	6351.01	6653.70
		8	6351.02	6653.60
		9	6350.94	6653.18
		10	6350.94	6653.12
		11	6350.84	6652.83
		12	6350.69	6652.45
		13	6350.72	6652.33
		14	6350.64	6652.05
		15	6350.71	6652.04
		16	6350.78	6651.98
		17	6350.84	6651.91
		18	6350.88	6651.80
		19	6350.89	6651.48
		20	6350.82	6651.13
		21	6350.74	6650.97
		22	6350.75	6650.74
		23	6350.62	6650.40
		24	6350.58	6650.32
		25	6350.56	6650.01
		26	6350.50	6649.86
		27	6350.61	6649.76
		28	6350.71	6649.91
		29	6350.76	6649.88
		30	6350.94	6649.89
	12	1		6649.77
		2		6649.10
		3		6648.74
		4		6648.70
		5		6648.56
		6		6648.56

TABLE 2.2.1.4-6 (Contd)

CB-TRACT
STEVENS RECORDER WATER LEVELS
UPPER PARACHUTE - CREEK 1
FOR SAMPLE DATE SHOWN

YR	MO	DY	WD12 DEPTH (FT)	WD90 DEPTH (FT)
82	12	7		6648.28
		8		6647.96
		9		6647.96
		10		6647.95
		11		6647.76

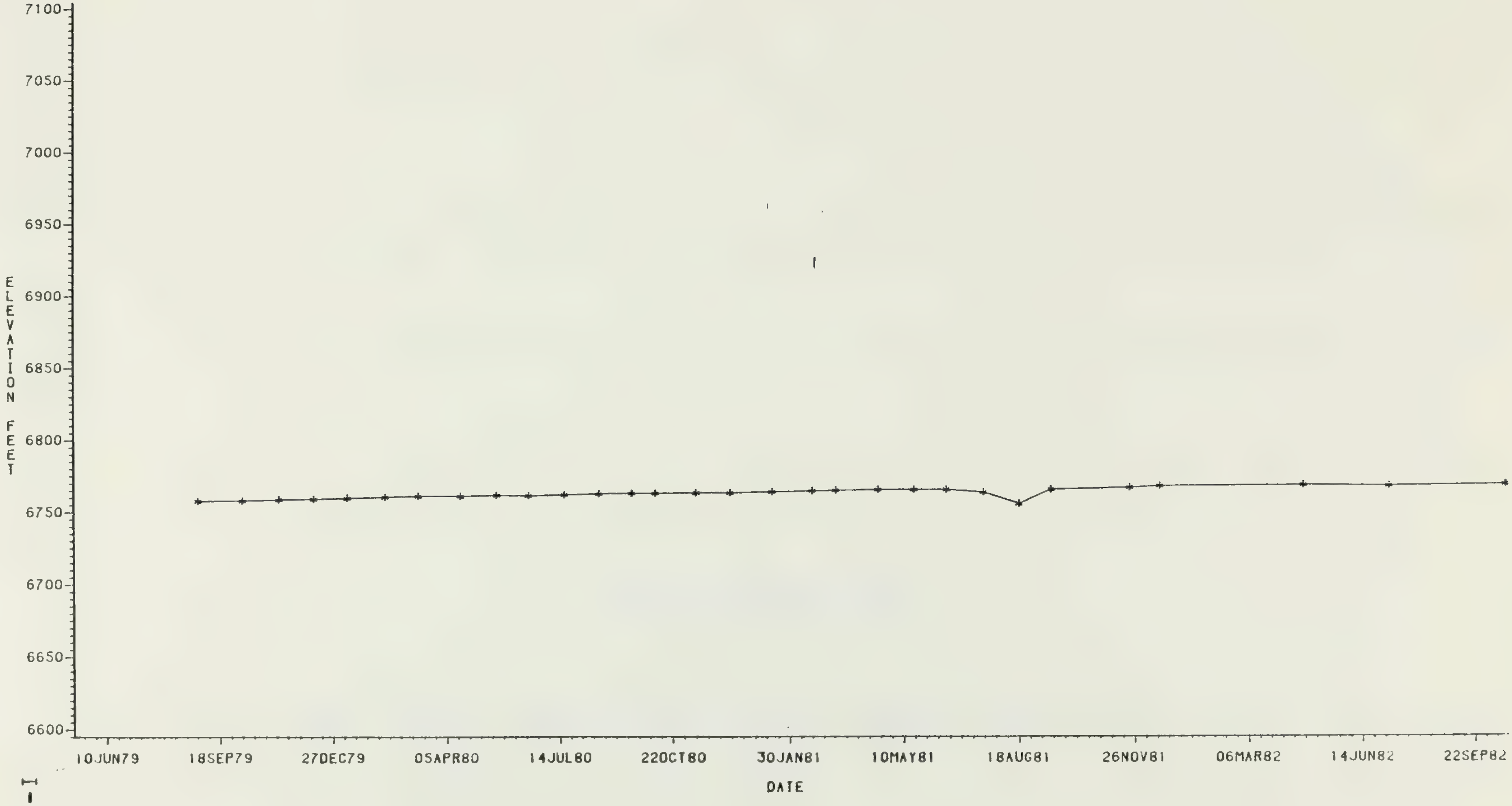
TABLE 2.2.1.4-7

PLOTS OF WATER LEVELS IN UPPER AQUIFER WELLS

Well No.	Computer Code	Page No.
TH75-5A	WX64	I-119
TH75-13A	WX65	I-120
TH75-18A	WX67	I-121
TH75-9A	WX69	I-122
CER RB-D-02	WX71	I-123
TH75-15A	WX72	I-124
UNION 8-1	WX73	I-125
TH-5	WX75	I-126

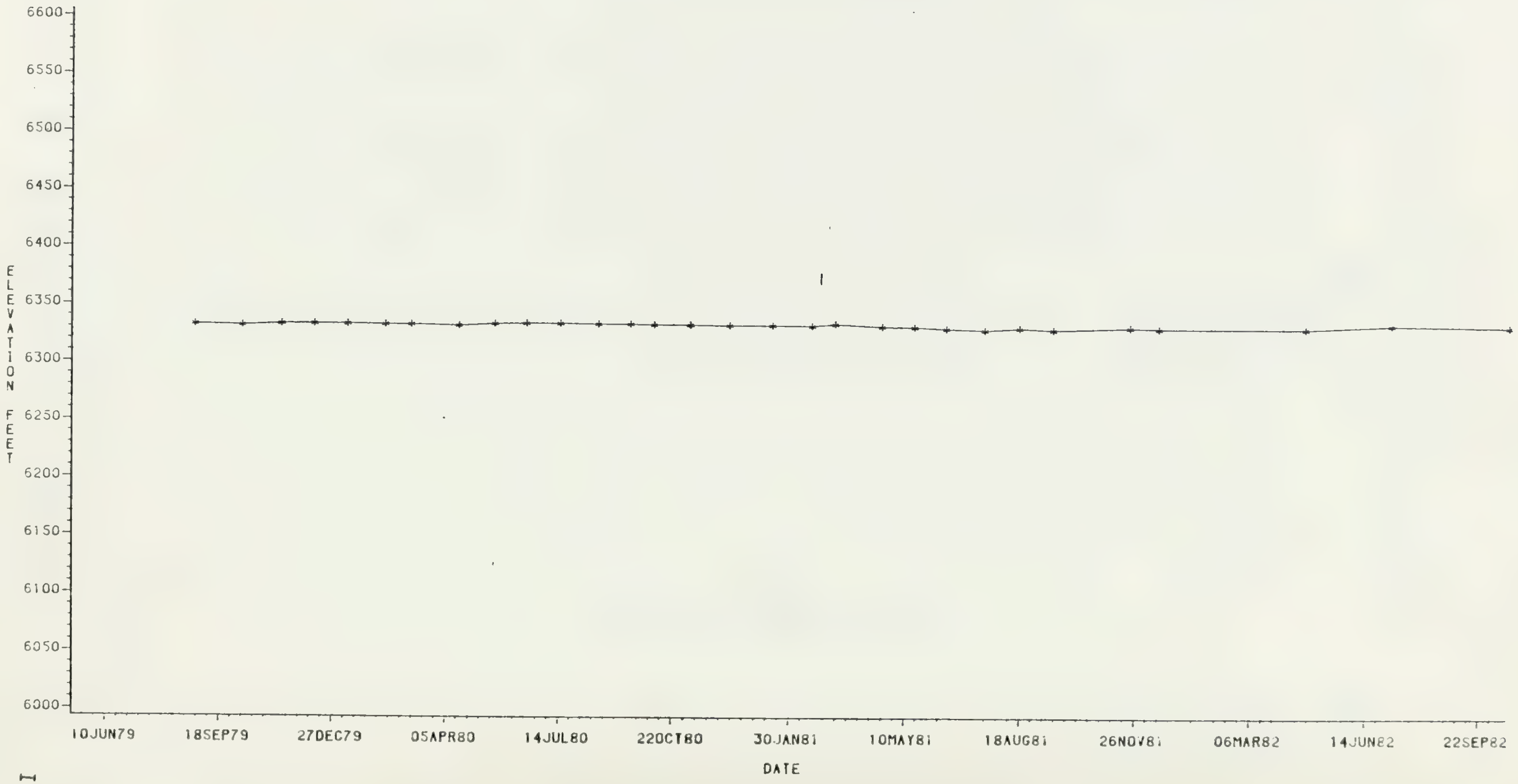
CB WELL LEVELS DATA

LOC=WX64



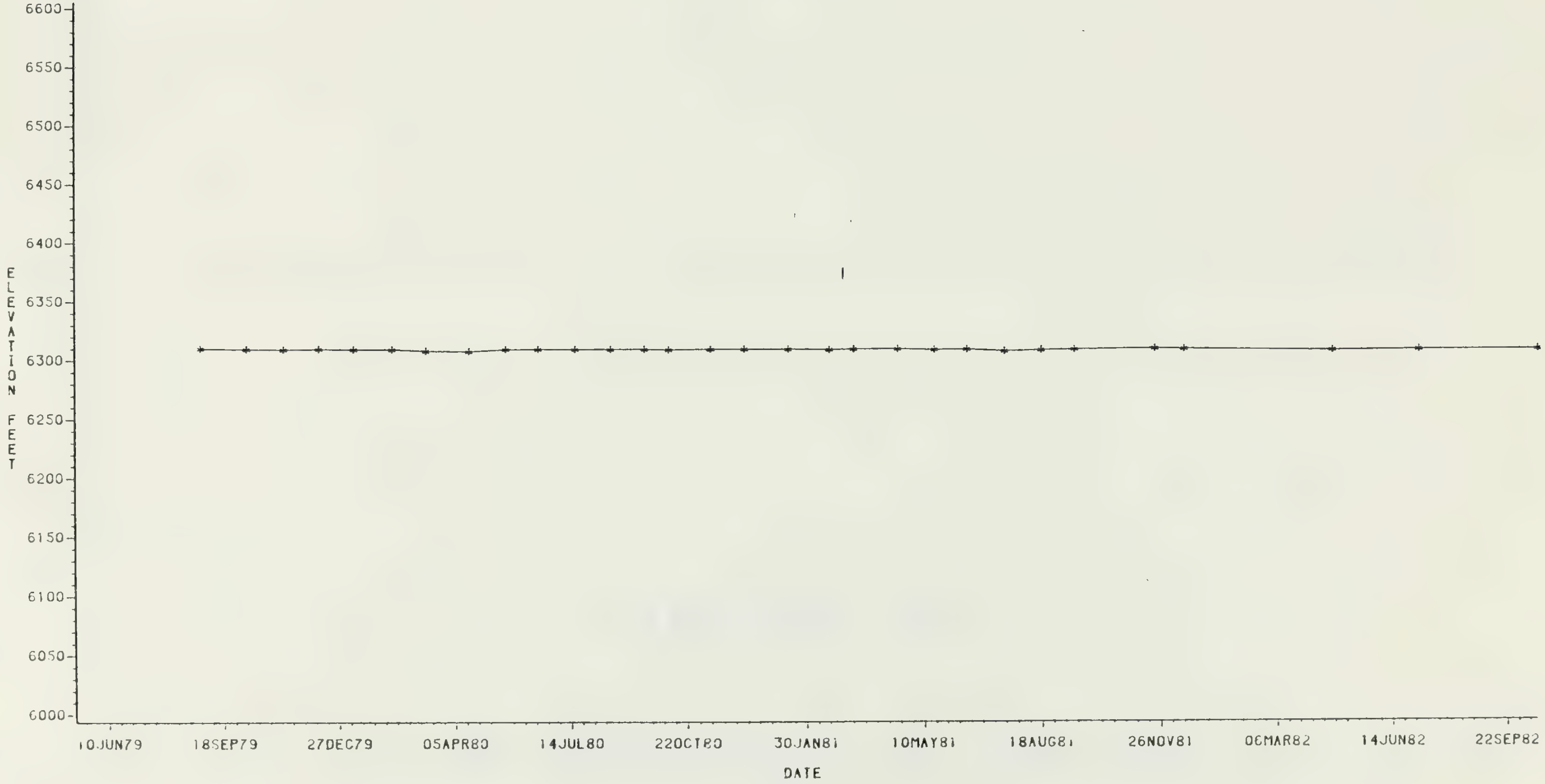
CB WELL LEVELS DATA

LOC=WX65



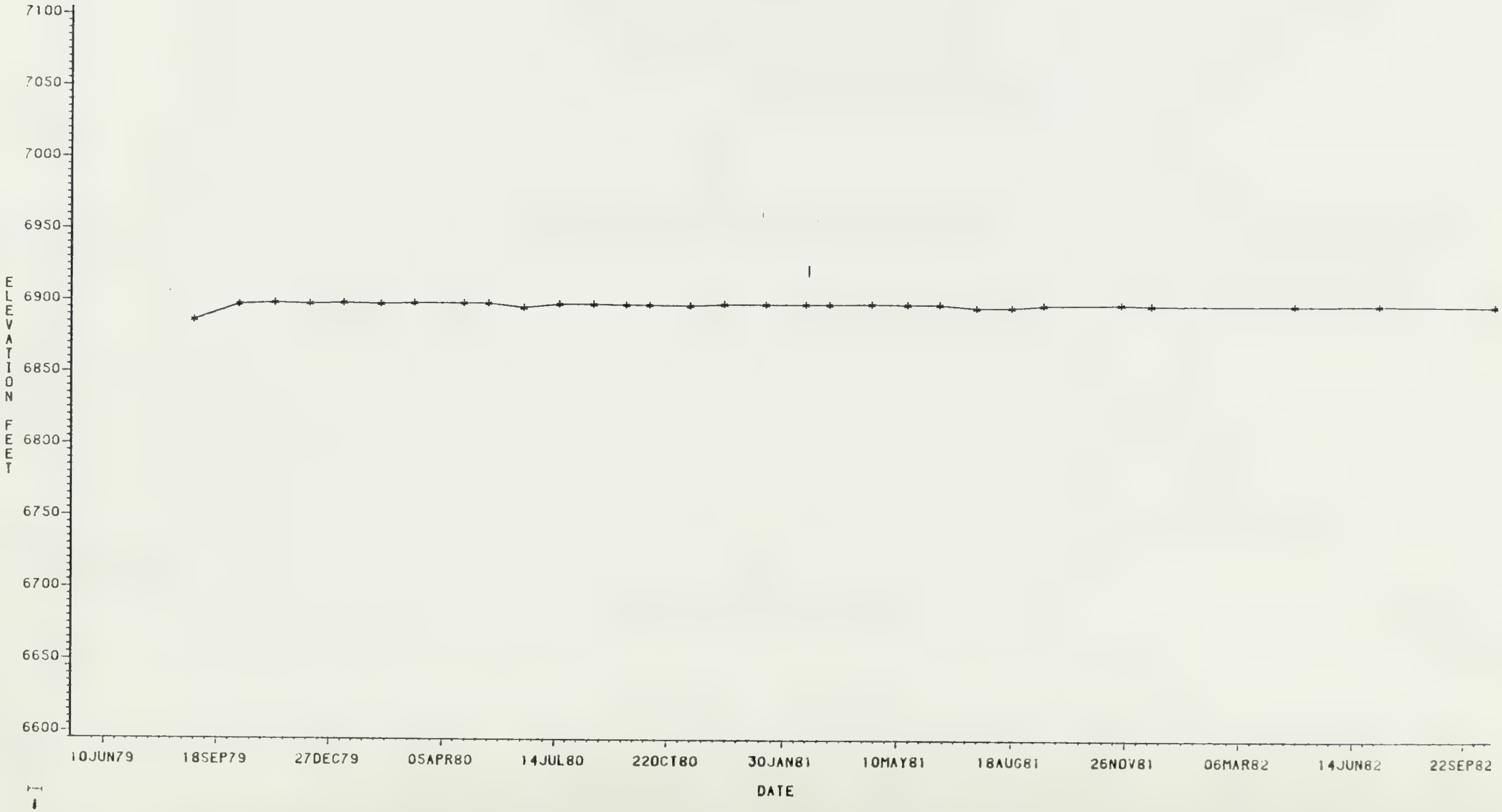
CB WELL LEVELS DATA

LOC=WX67



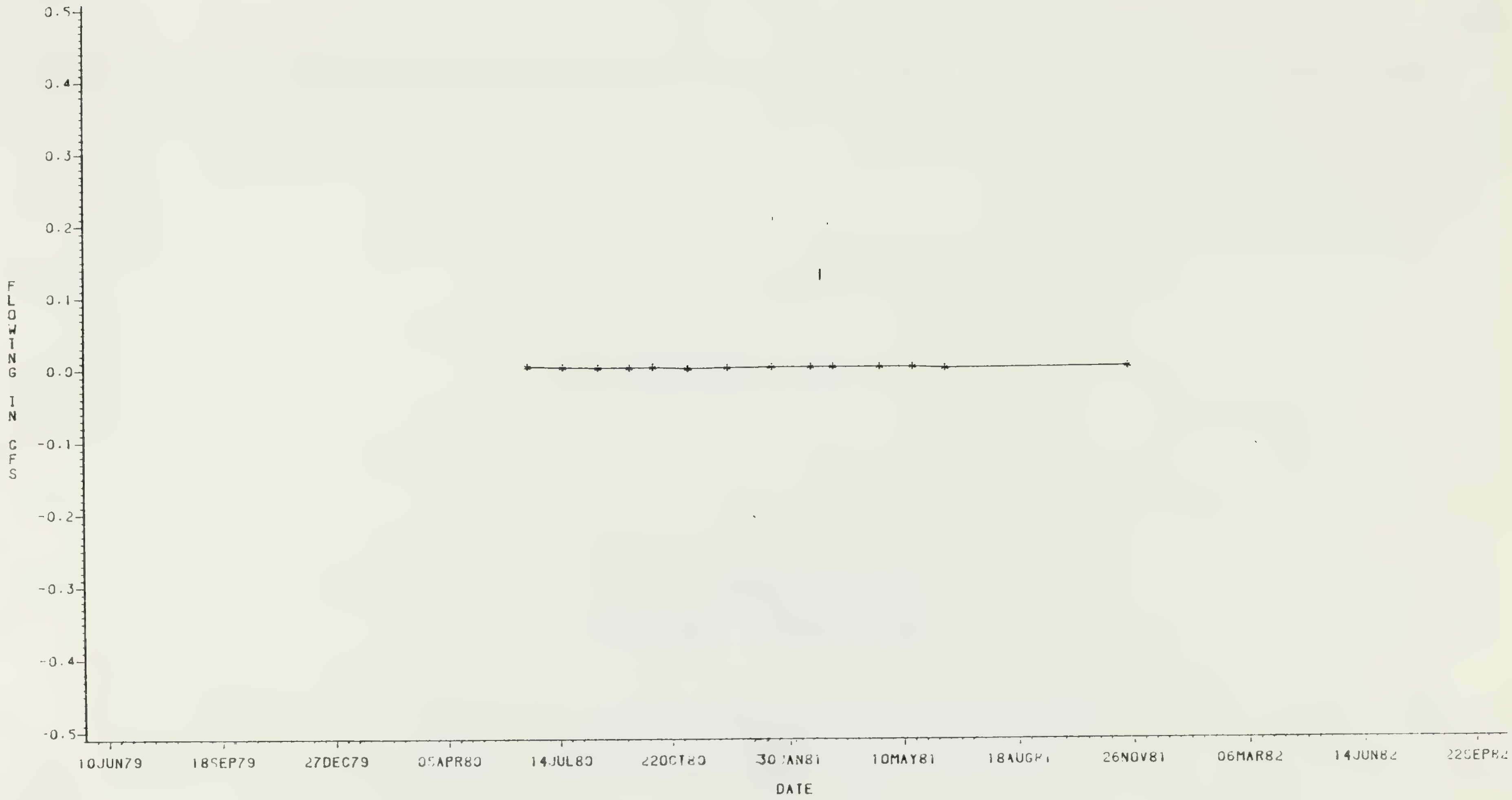
CB WELL LEVELS DATA

LOC=WX69



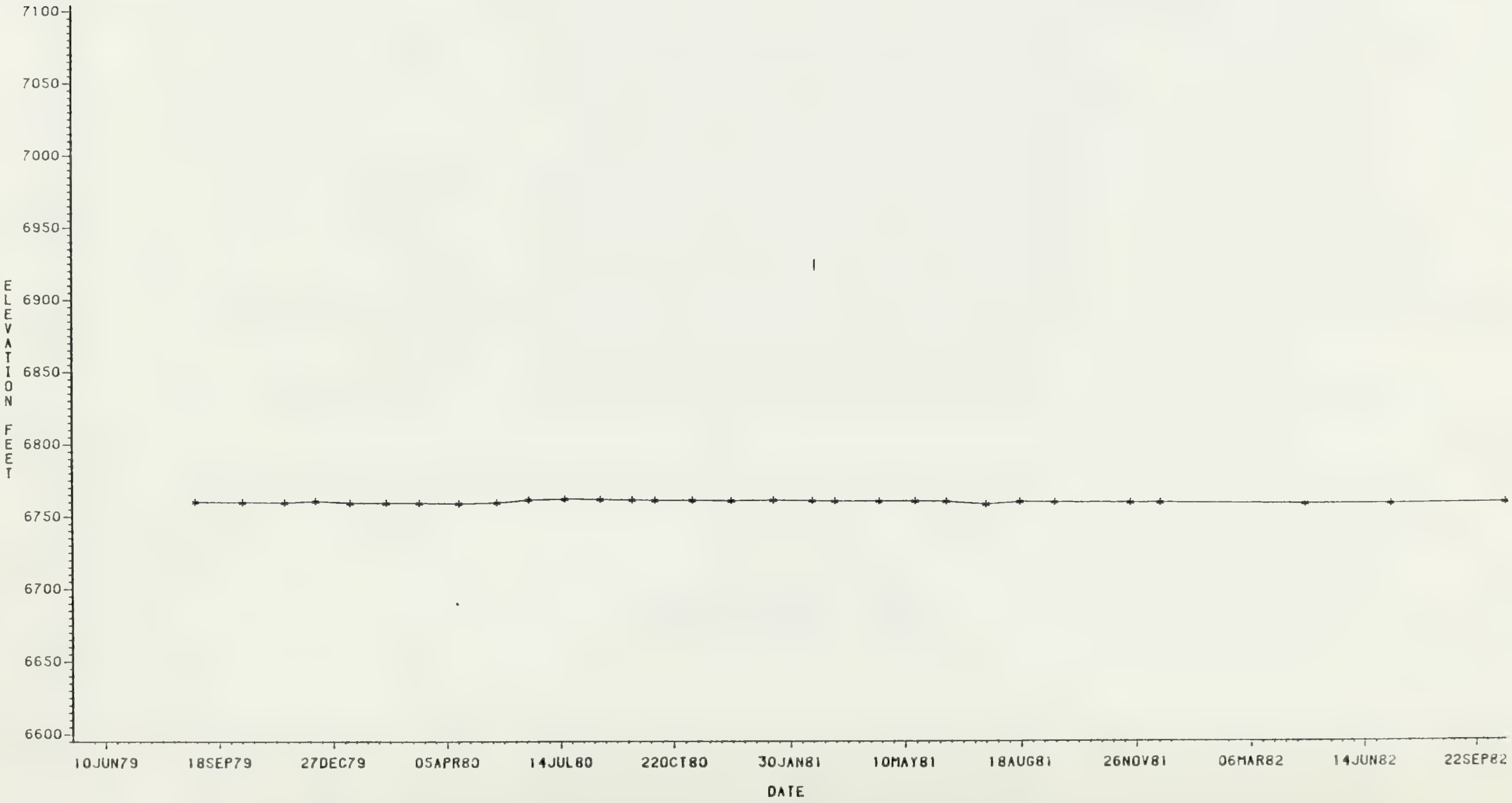
CB WELL LEVELS DATA

LOC=WX71



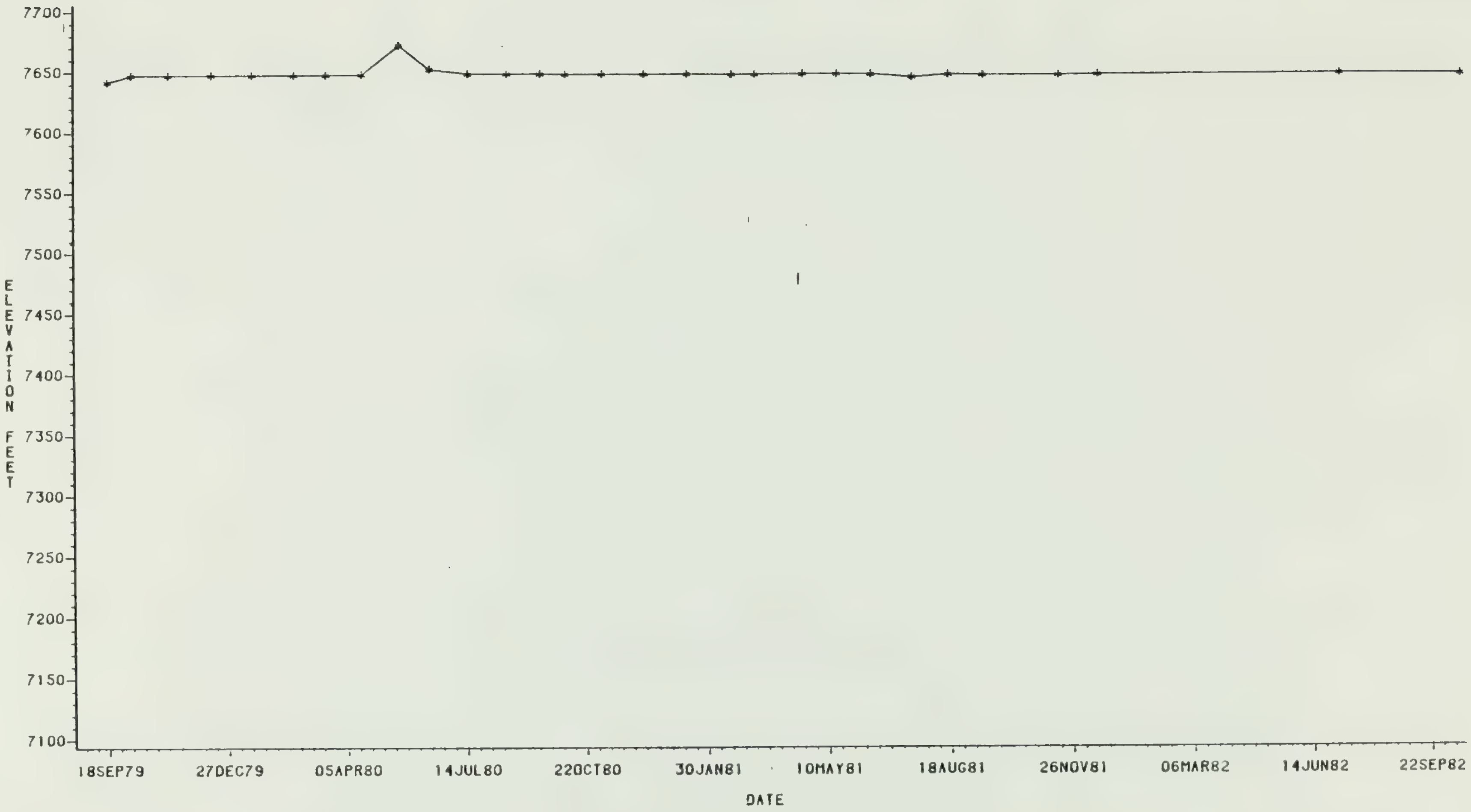
CB WELL LEVELS DATA

LOC=WX72



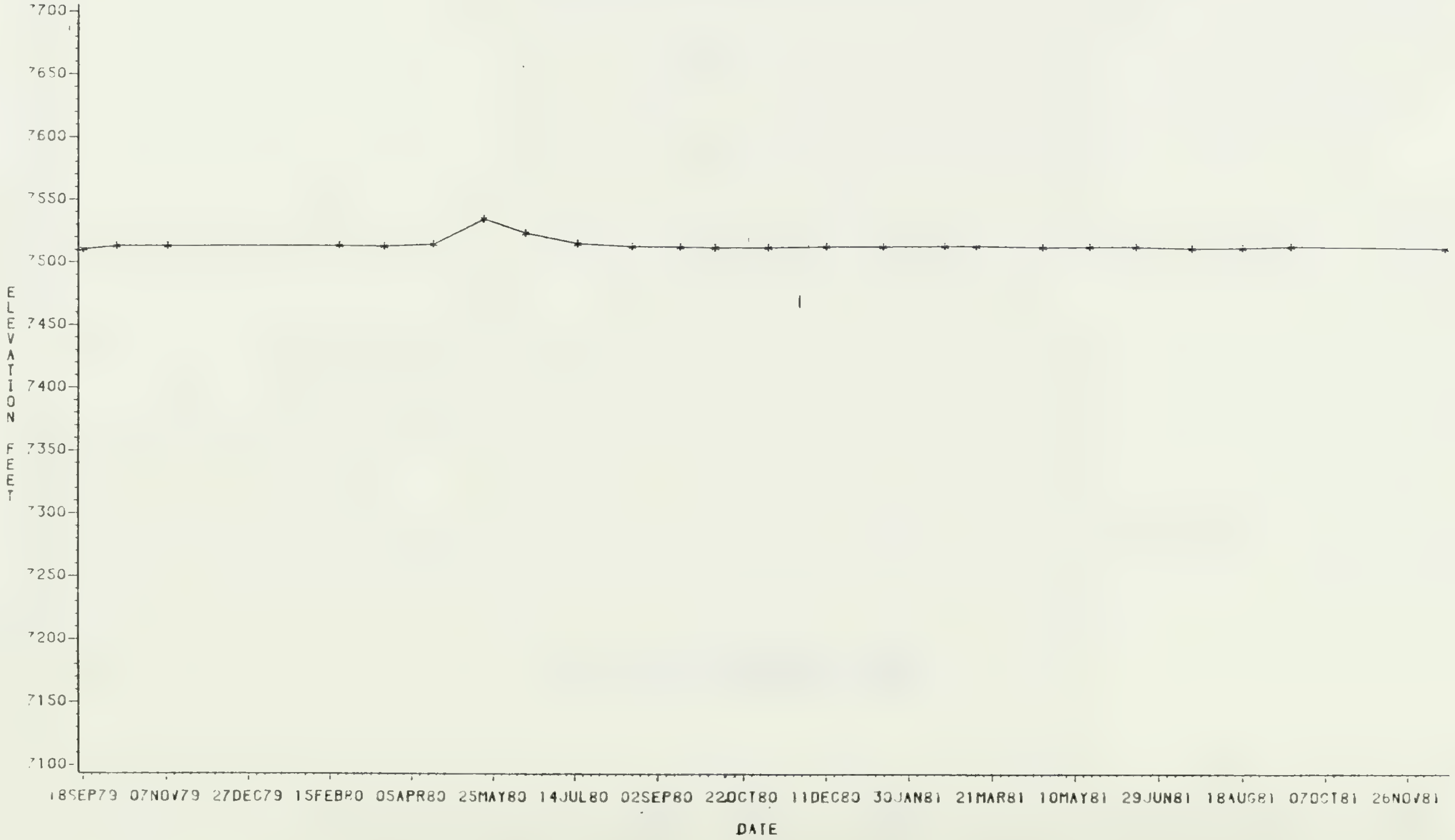
CB WELL LEVELS DATA

LOC=WX73



CB WELL LEVELS DATA

LOC=WX75



2.2.1.5 Lower Aquifer Wells

C-b Tract deep well monitoring network is presented in Figure 2.2.1.5-1; refer to jacket map, Exhibit A for off-Tract lower aquifer wells.

This section contains data for lower aquifer, lower Parachute Creek 3 (LPC_3) and lower Parachute Creek 4 (LPC_4) wells. Monitoring of the wells are required by the Interim Monitoring Program (IMP) and the Water Augmentation Plan (WAP), State of Colorado Court Decree.

Sampling frequencies have changed during the IMP depending on location of the wells and purpose for monitoring; refer to Table 2.2-1 for frequency requirement of each well.

Time series plots of wells recompleted in Lower Parachute Creek 3 (LPC_3) and 4 (LPC_4) are presesnted in Levels and Flows Section 2.2.1. These wells are displayed as overlay plots of well strings located at the same sampling station.

The following list presents tables and figures for data reported in this section.

		Page No.
Table 2.2.1.5-1*	Water Levels in Lower Aquifer Wells	I-129
Table 2.2.1.5-2	Water Levels in Lower Aquifer Wells Required by WAP	I-130
Table 2.2.1.5-3*	Water Levels - Lower Parachute Creek	I-131
Table 2.2.1.5-4*	Stevens Recorder Daily Water Levels - Lower Aquifer Wells	I-132
Table 2.2.1.5-5*	Stevens Recorder Daily Water Levels - For Lower Parachute Creek	I-135
Table 2.2.1.5-6	Time Series Plots of Water Levels in Lower Aquifer Wells	I-139

* Stations reported in these data tables are required by the IMP.

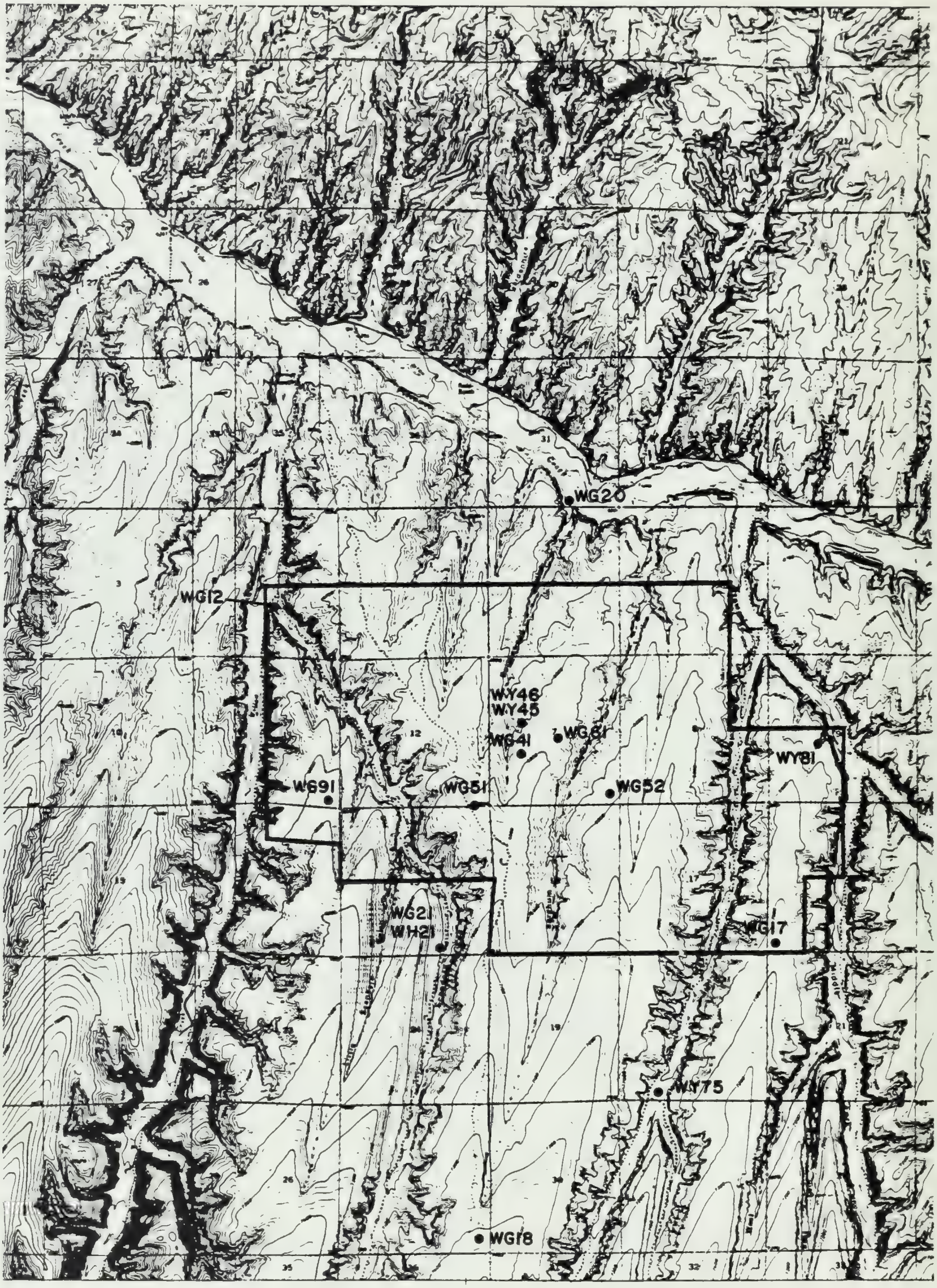

WG20
WG12
WY46
WY45
WG41
WG31
WY81
WG91
WG51
WG52
WG21
WH21
WG17
WY75
WG18

Figure 2.2.1.5-1
DEEP WELL MONITORING NETWORK NEAR
C-b TRACT

TABLE 2.2.1.5-1

CB-TRACT
WATER LEVELS IN LOWER AQUIFER WELLS
FOR SAMPLE DATE SHOWN

		WELL ID-M.P. ELEV(FT)			
		WY44	WY45	WY46	WY81
YR	MO	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)
82	6	6570	6573	6580	6535
	7	6494	6476	6479	6534
	8	6437	6426	6442	6534
	9	6411	6400	6402	6533
	10	6397	6380	6384	6532
	11	6387	6363		6532
	12	6375	6350	6352	6531

PLUGGD = WELL PLUGGED
DRY = WELL DRY
FLWING = WELL FLOWING
INACCS = WELL INACCESSABLE

TABLE 2.2.1.5-2

CB-TRACT
WATER LEVELS IN LOWER AQUIFER WELLS
REQUIRED BY WATER AUGMENTATION PLAN
FOR SAMPLE DATE SHOWN

		WELL ID - MEASURING POINT ELEVATION (FT)												
		WY64	WY65	WY67	WY68	WY69	WY70	WY71	WY72	WY75	WY76	WY77	WY78	WY79
YR	MO	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)
82	7	6437	6311	6233	6487	6885	6959	6571	6773	6771	6870		7085	6626
	10	6437	6312	6233	6486	6885	6959	6570	6774	6770	6859	5	7075	6626

PLUGGD = WELL PLUGGED
DRY = WELL DRY
FLWING = WELL FLOWING
INACCS = WELL INACCESSABLE

TABLE 2.2.1.5-3

CB-TRACT
WATER LEVELS FOR LOWER PARACHUTE CREEK
FOR SAMPLE DATE SHOWN

WG - LPD3 WH - LPC4

YR	MO	DY	WG12 ELEV (FT)	WG17 ELEV (FT)	WG18 ELEV (FT)	WG20 ELEV (FT)	WG21 ELEV (FT)	WG41 ELEV (FT)	WG51 ELEV (FT)	WG52 ELEV (FT)	WG61 ELEV (FT)	WG91 ELEV (FT)	WH21 ELEV (FT)
82	6	16	6283				6702	6582		6467	6531	6426	6702
		17		6633									
		24							6742				
	7	12			6641					6485			
		14	6285				6698						6698
		19						6495			6476		
		26			6541				6556				
	8	16					6688	6449			6421	6400	6688
		17		6636									
		23	6283							6480			
		25							6501				
	9	20									6366		
		22								6475			
		24							6469				
		28					6680						6680
		29	6284										
	10	13			6640			6364			6300		
		14								6472			
		15		6636									
		26	6284										
	11	1							6443				
		15	6282				6675						6674
		17							6435	6466	6549		
		19				6331							
	12	11	6255			6331	6671		6419				6670
		12		6633				6352		6462	6338		

PLUGGD = WELL PLUGGED
DRY = WELL DRY
FLWING = WELL FLOWING
INACCS = WELL INACCESSABLE

TABLE 2.2.1.5-4

CB-TRACT
STEVENS RECORDER WATER LEVELS
LOWER AQUIFER WELLS
FOR SAMPLE DATE SHOWN

			WELL ID - FT FROM GROUND LEVEL
			WY44
YR	MO	DY	DEPTH (FT)
82	6	1	6577.83
		2	6577.42
		3	6576.71
		4	6576.39
		5	6576.00
		6	6575.50
		7	6574.98
		8	6574.40
		9	6574.15
		10	6573.77
		11	6573.53
		12	6573.27
		13	6572.11
		14	6571.65
		15	6571.28
		16	6570.10
		17	6570.08
		18	6570.02
		19	6569.74
		20	6569.43
		21	6568.98
		22	6568.47
		23	6567.89
		24	6567.57
		25	6567.22
		26	6566.85
		27	6566.47
		28	6565.65
		29	6564.97
		30	6564.33
	7	1	6563.32
		2	6558.79
		3	6553.05
		4	6547.41
		5	6542.11
		6	6537.03
		7	6532.48
		8	6528.15
		9	6524.00
		10	6520.10
		11	6516.40
		12	6512.83
		13	6509.49
		14	6506.33
		15	6503.18

TABLE 2.2.1.5-4 (Contd)

CB-TRACT
STEVENS RECORDER WATER LEVELS
LOWER AQUIFER WELLS
FOR SAMPLE DATE SHOWN

WELL ID - FT FROM GROUND LEVEL

YR	MO	DY	WY44 DEPTH (FT)
82	7	16	6500.19
		17	6497.20
		18	6494.40
		19	6493.87
		20	6491.01
		21	6488.09
		22	6479.25
		23	6483.04
		24	6481.06
		25	6479.03
		26	6469.27
		27	6474.05
		28	6472.04
		29	6470.07
		30	6468.03
		31	6459.30
	8	1	6464.04
		2	6462.11
		3	6460.19
		4	6459.11
		5	6450.28
		6	6449.21
		7	6454.12
		8	6452.09
		9	6449.22
		10	6455.01
		11	6453.03
		12	6452.02
		13	6450.06
		14	6449.03
		15	6440.31
		16	6439.23
		17	6444.04
		18	6443.02
		19	6441.14
		20	6440.02
		21	6439.06
		22	6430.25
		23	6429.24
		24	6435.03
		25	6434.04
		26	6432.19
		27	6431.01
		28	6430.03
		29	6429.04

TABLE 2.2.1.5-4 (Contd)

CB-TRACT
STEVENS RECORDER WATER LEVELS
LOWER AQUIFER WELLS
FOR SAMPLE DATE SHOWN

			WELL ID - FT FROM GROUND LEVEL
			WY44
YR	MO	DY	DEPTH (FT)
82	8	30	6428.05
		31	6420.27
	9	1	6419.21
		2	6424.10
		3	6423.01
		4	6422.05
		5	6421.01
		6	6420.02
		7	6420.35
		8	6419.39
		9	6418.45
		10	6417.56
		11	6416.59
		12	6415.12
		13	6414.65
		14	6413.63
		15	6412.75
		16	6411.81
		17	6410.95
		18	6410.04
		19	6409.19
		20	6407.76
		21	6410.28
		22	6409.41
		23	6408.59
		24	6407.75
		25	6406.94
		26	6406.34
		27	6405.53
		28	6404.69
		29	6403.85
		30	6403.01
	10	1	6402.14
		2	6401.33
		3	6400.64
		4	6400.00
		5	6397.36
		6	6396.64
		7	6395.94
		8	6394.11

TABLE 2.2.1.5-5

CB-TRACT
STEVENS RECORDER WATER LEVELS FOR LOWER PARACHUTE CREEK
FOR SAMPLE DATE SHOWN

WG - LPC3 WH - LPC4

YR	MO	DY	WG12 DEPTH (FT)
82	6	1	6251.77
		2	6252.11
		3	6252.41
		4	6252.62
		5	6252.97
		6	6280.69
		7	6281.07
		8	6281.63
		9	6281.88
		10	6282.17
		11	6282.45
		12	6282.66
		13	6282.87
		14	6283.09
		15	6283.19
		16	6283.29
		17	6283.48
		18	6283.61
		19	6283.70
		20	6283.80
		21	6283.93
		22	6284.02
		23	6284.10
		24	6284.20
		25	6284.36
		26	6284.40
		27	6284.50
		28	6284.66
		29	6284.78
		30	6284.84
	7	1	6284.93
		2	6284.94
		3	6284.98
		4	6285.10
		5	6285.19
		6	6285.18
		7	6285.19
		8	6285.24
		9	6285.28
		10	6285.30
		11	6285.33
		12	6285.36
		13	6285.40
		14	6285.45

TABLE 2.2.1.5-5 (Contd)

CB-TRACT
STEVENS RECORDER WATER LEVELS FOR LOWER PARACHUTE CREEK
FOR SAMPLE DATE SHOWN

WG - LPC3　　　　　　　　　　　　　　　　　　　　　　　　WH - LPC4

YR	MO	DY	WG12 DEPTH (FT)
82	7	15	6285.53
		16	6285.54
		17	6285.54
		18	6285.55
		19	6285.58
		20	6285.62
		21	6285.65
		22	6285.69
		23	6285.86
		24	6285.93
		25	6285.96
		26	6285.98
		27	6285.99
		28	6286.03
		29	6286.07
		30	6286.11
		31	6286.11
	8	1	6286.16
		24	6284.52
		25	6284.52
		26	6284.69
		27	6284.42
		28	6284.31
		29	6284.31
		30	6284.30
		31	6284.32
	9	1	6284.28
		2	6283.97
		3	6283.95
		4	6283.95
		5	6283.94
		6	6283.93
		7	6283.94
		8	6283.94
		9	6283.95
		10	6283.99
		11	6284.01
		12	6284.03
		13	6284.09
		14	6283.97
		15	6283.99
		16	6284.51
		17	6284.46
		18	6284.45

TABLE 2.2.1.5-5 (Contd)

CB-TRACT
STEVENS RECORDER WATER LEVELS FOR LOWER PARACHUTE CREEK
FOR SAMPLE DATE SHOWN

WG - LPC3 WH - LPC4

YR	MO	DY	WG12 DEPTH (FT)
82	9	19	6284.48
		20	6284.46
		21	6284.43
		22	6284.42
		23	6284.42
		24	6284.37
		25	6284.38
		26	6284.41
		27	6284.57
		28	6284.54
		29	6284.49
		30	6284.45
	10	1	6284.32
		2	6284.23
		3	6284.26
		4	6284.26
		5	6284.26
		6	6284.24
		7	6284.18
		8	6284.21
		9	6284.22
		10	6284.11
		11	6284.05
		12	6284.08
		13	6284.01
		14	6283.95
		15	6283.92
		16	6283.90
		17	6283.91
		18	6283.94
		19	6283.90
		20	6283.80
		21	6283.79
		22	6283.74
		23	6283.69
		24	6283.68
		25	6283.67
		26	6283.69
		27	6283.70
		28	6283.65
		29	6283.57
		30	6283.59
		31	6283.60
	11	1	6283.55

TABLE 2.2.1.5-5 (Contd)

CB-TRACT
STEVENS RECORDER WATER LEVELS FOR LOWER PARACHUTE CREEK
FOR SAMPLE DATE SHOWN

WG - LPC3

WH - LPC4

YR	MO	DY	WG12 DEPTH (FT)
82	11	2	6283.48
		3	6283.38
		4	6283.33
		5	6283.35
		6	6283.37
		7	6283.38
		8	6283.40
		9	6283.40
		10	6283.33
		11	6283.31
		12	6283.24
		13	6283.14
		14	6283.14
		15	6283.14
		16	6283.05
		17	6283.10
		18	6283.11
		19	6283.12
		20	6283.16
		21	6283.12
		22	6283.08
		23	6283.03
		24	6283.02
		25	6282.98
		26	6283.18
		27	6283.05
		28	6282.98
		29	6282.99
		30	6283.10
	12	1	6283.08
		2	6283.08

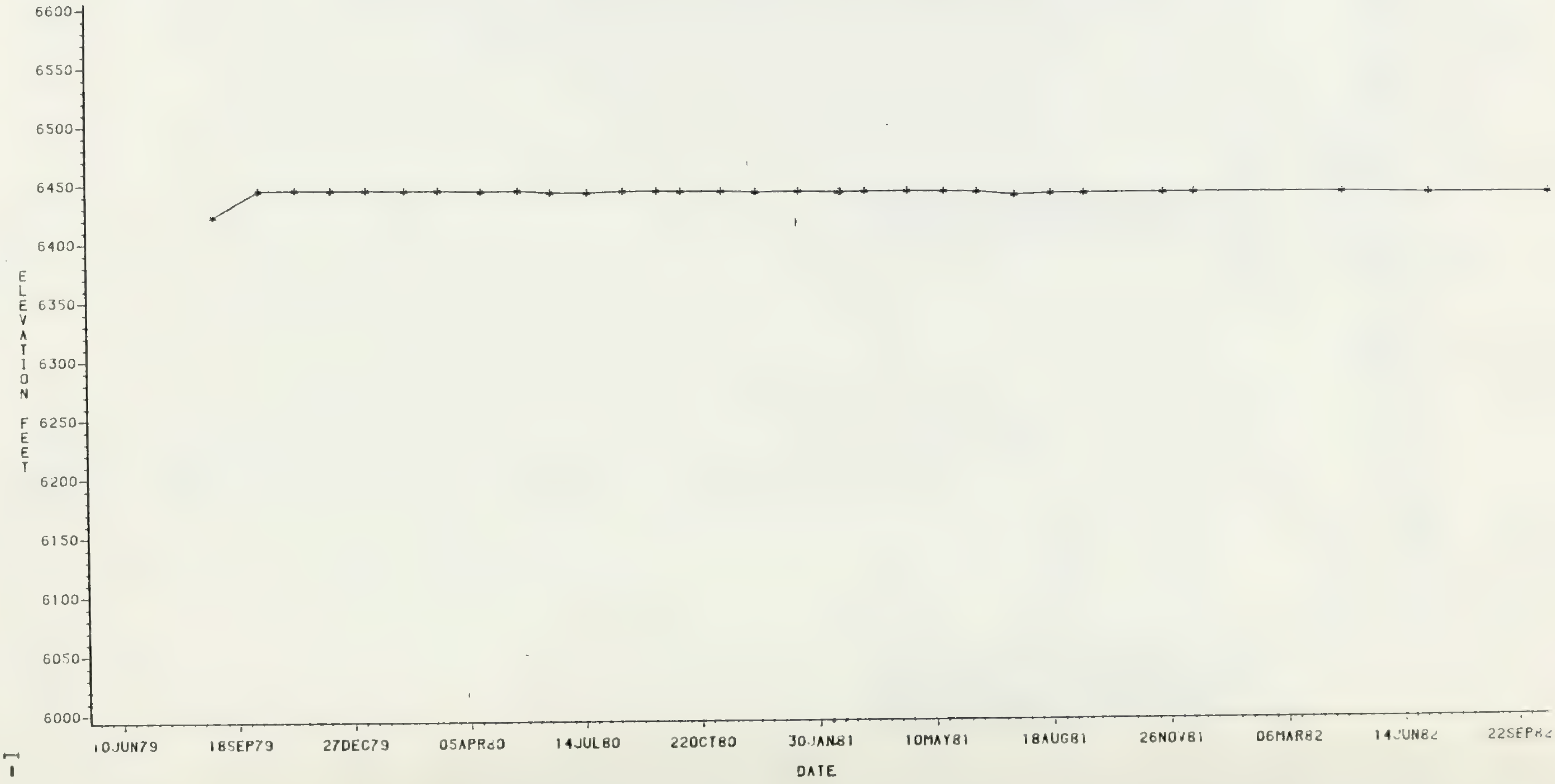
TABLE 2.2.1.5-6

TIME SERIES PLOTS OF WAP LEVELS IN LOWER AQUIFER WELLS

Well No.	Computer Code	Page No.
TH75-5B	WY64	I-140
TH75-13B	WY65	I-141
EQUITY-1	WY66	I-142
TH75-18B	WY67	I-143
TH75-10B	WY68	I-144
TH75-9B	WY69	I-145
EQUITY-SULFUR-1A	WY70	I-146
CER RB-D-03	WY71	I-147
TH75-15B	WY72	I-148
TG71-3	WY75	I-149
TG71-5	WY76	I-150
GETTY 9-40	WY77	I-151
TG71-4	WY78	I-152
EQUITY BS-13	WY79	I-153

CB WELL LEVELS DATA

LOC=WY64.



CB WELL LEVELS DATA

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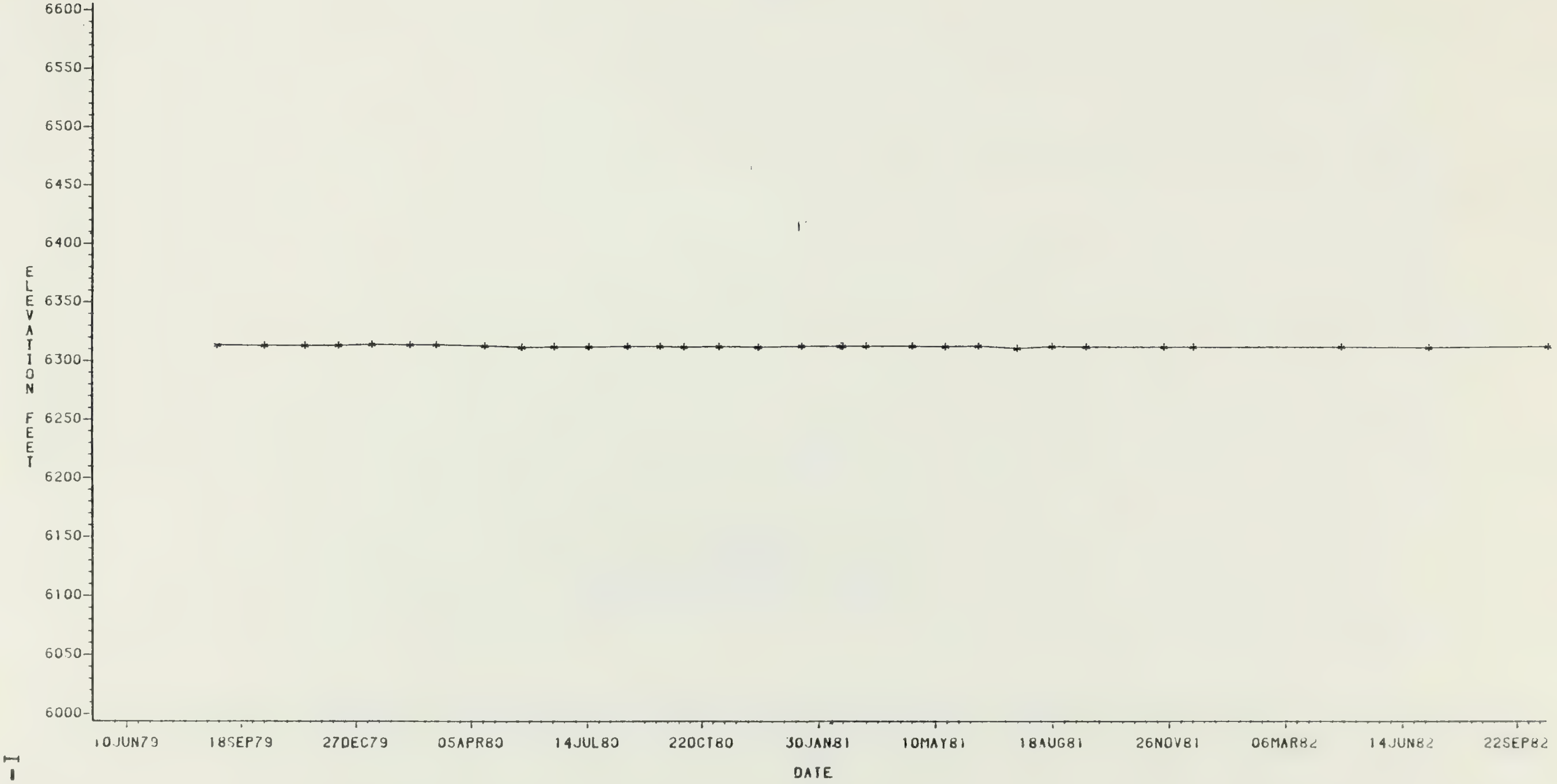

CB WELL LEVELS DATA

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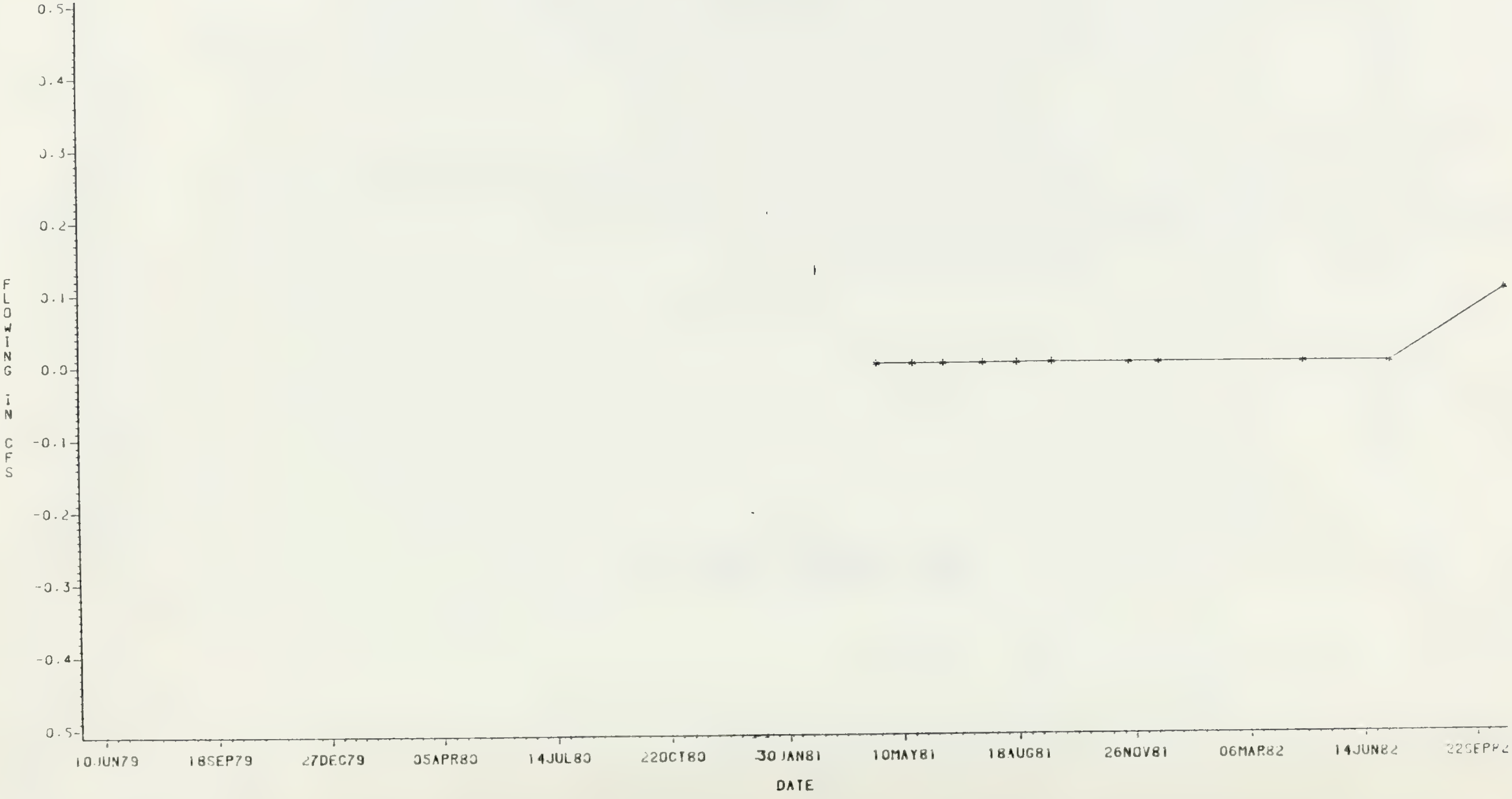

CB WELL LEVELS DATA

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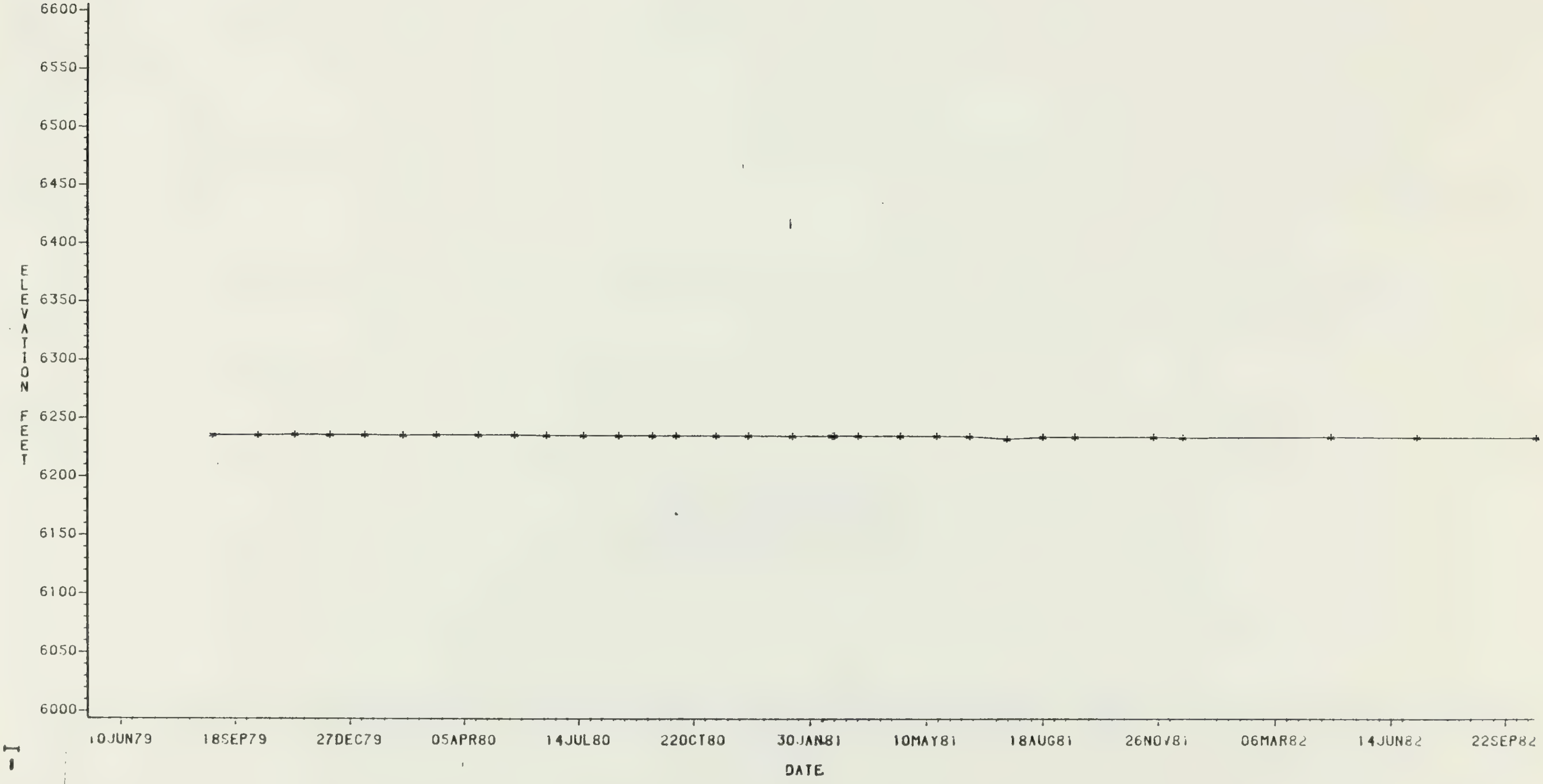

CB WELL LEVELS DATA

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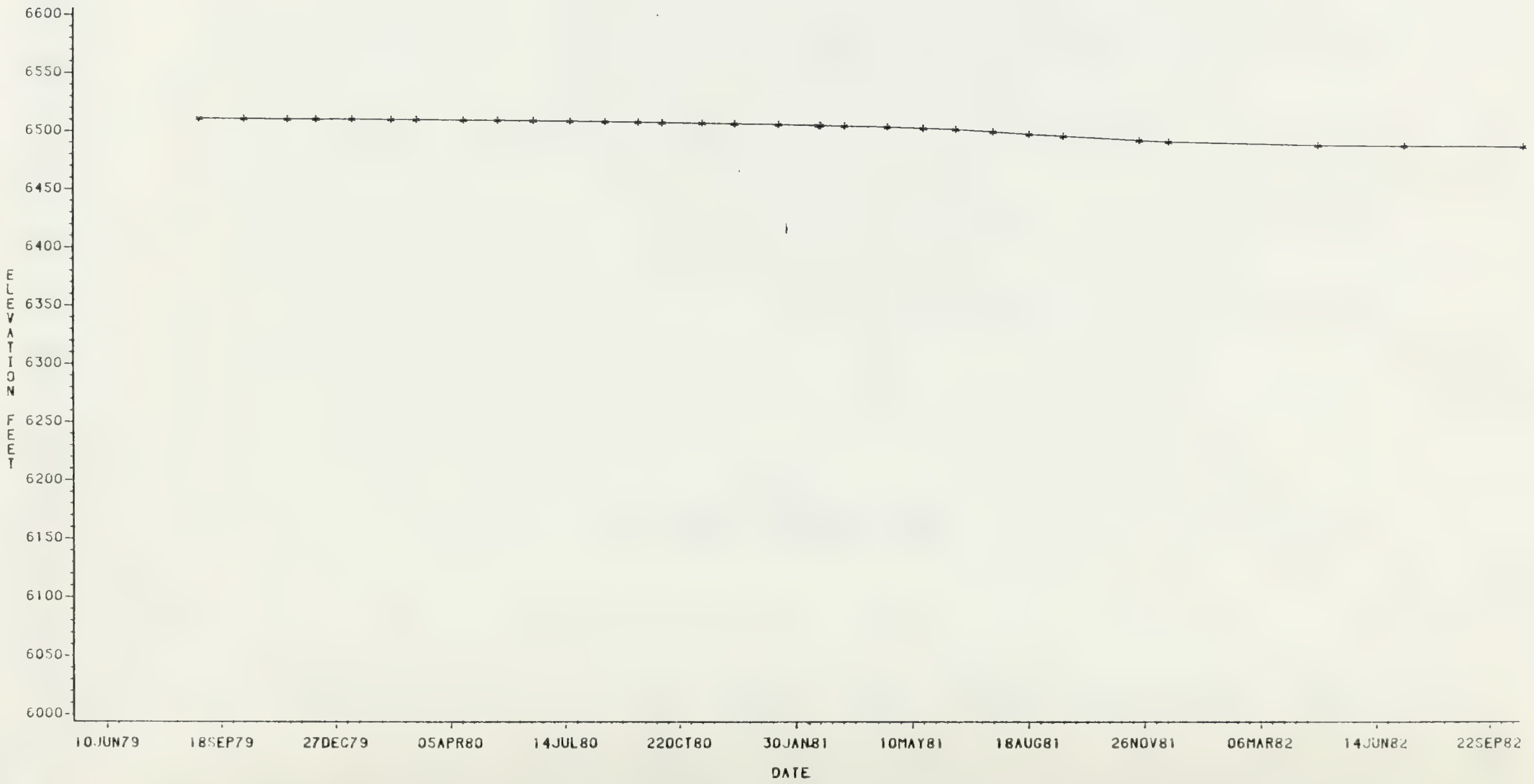

CB WELL LEVELS DATA

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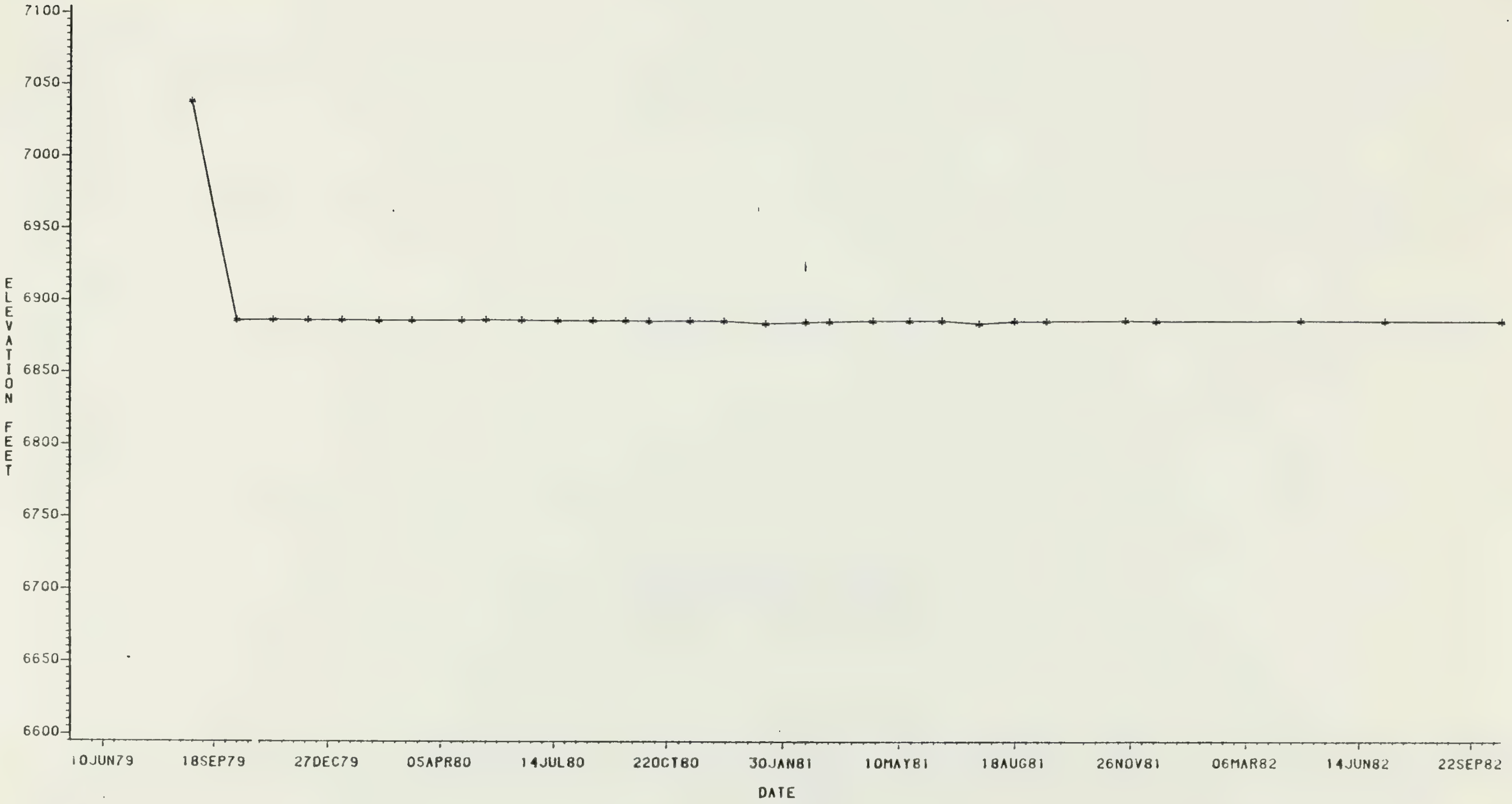

CB WELL LEVELS DATA

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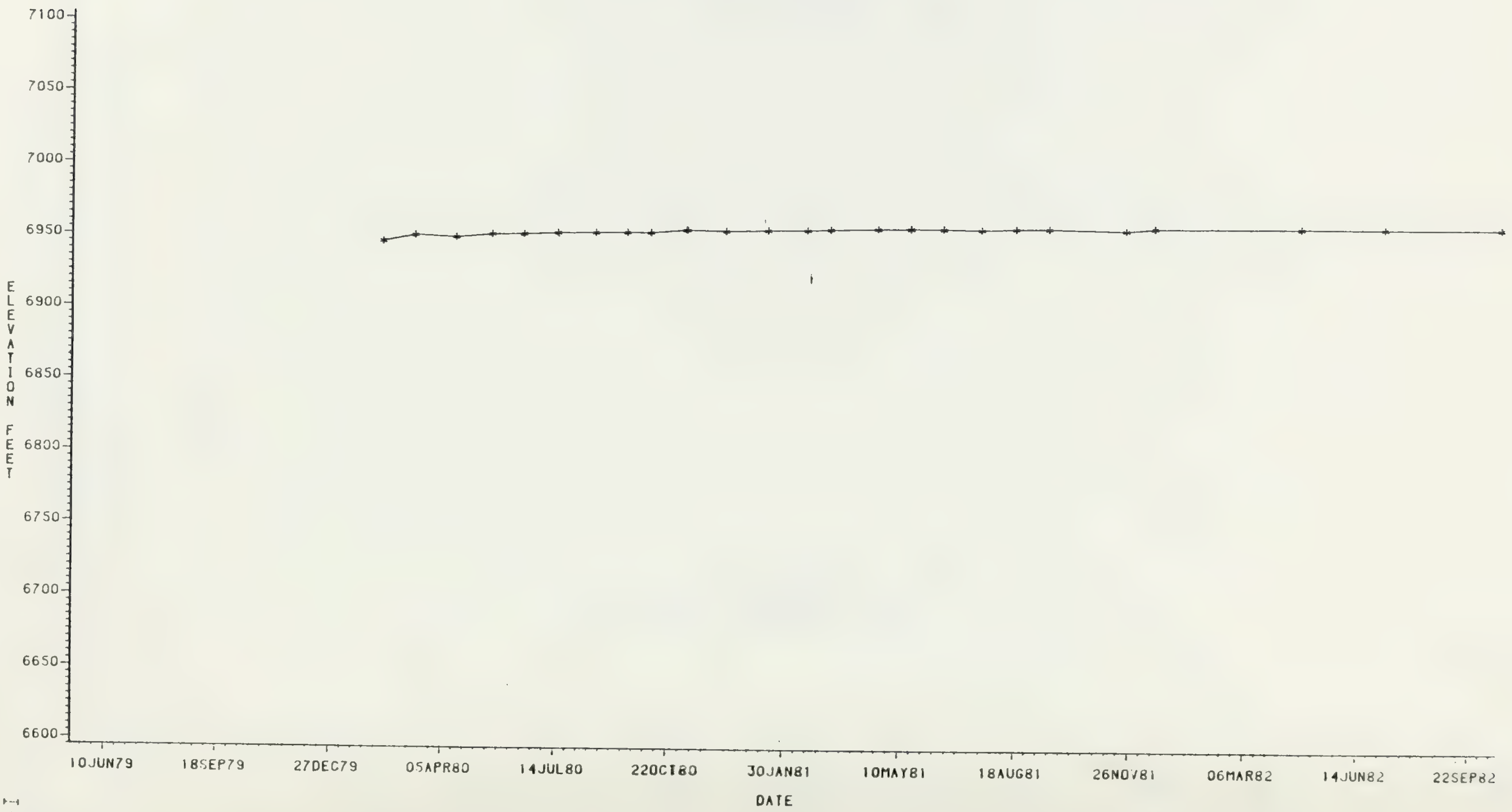
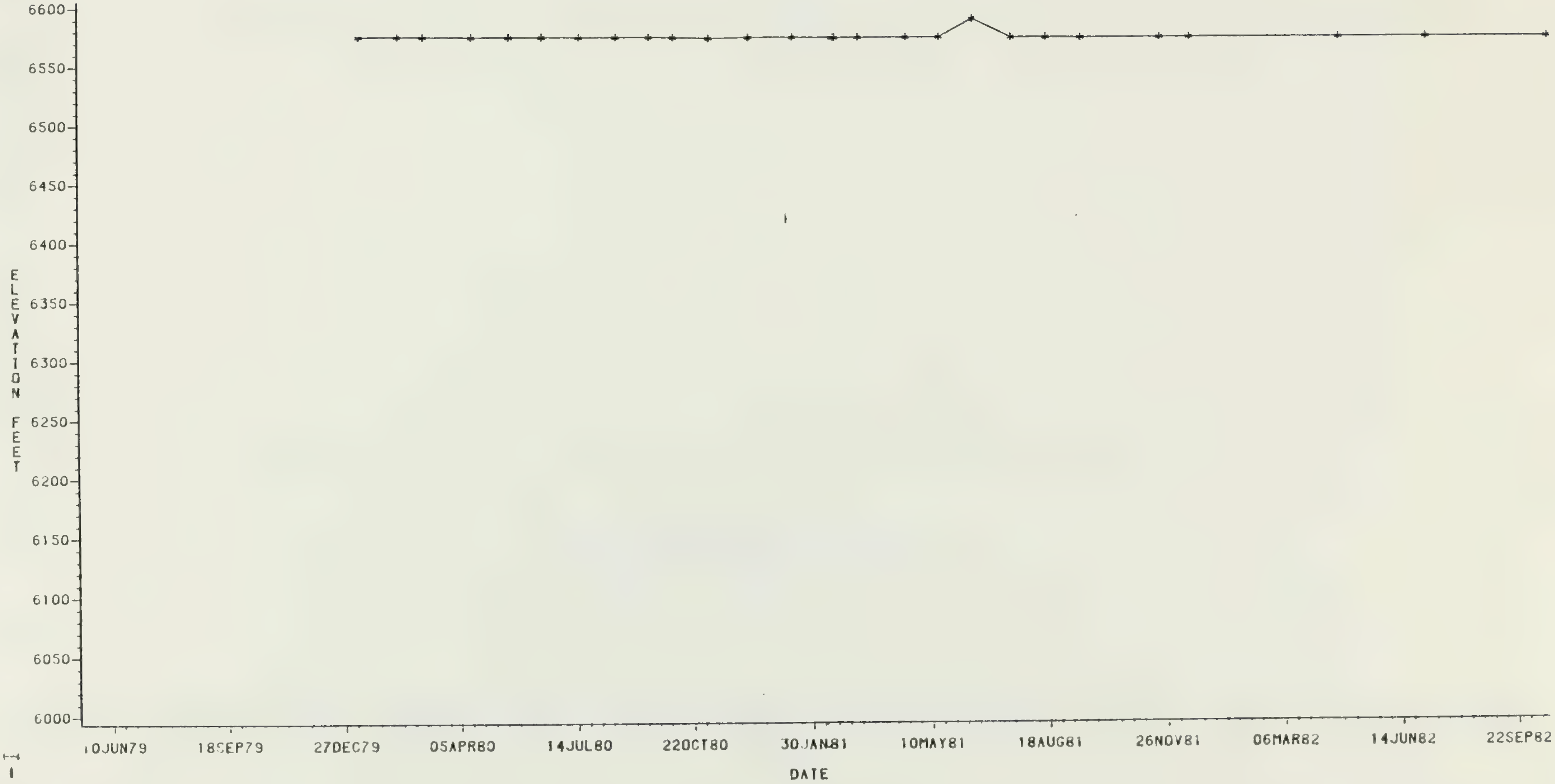


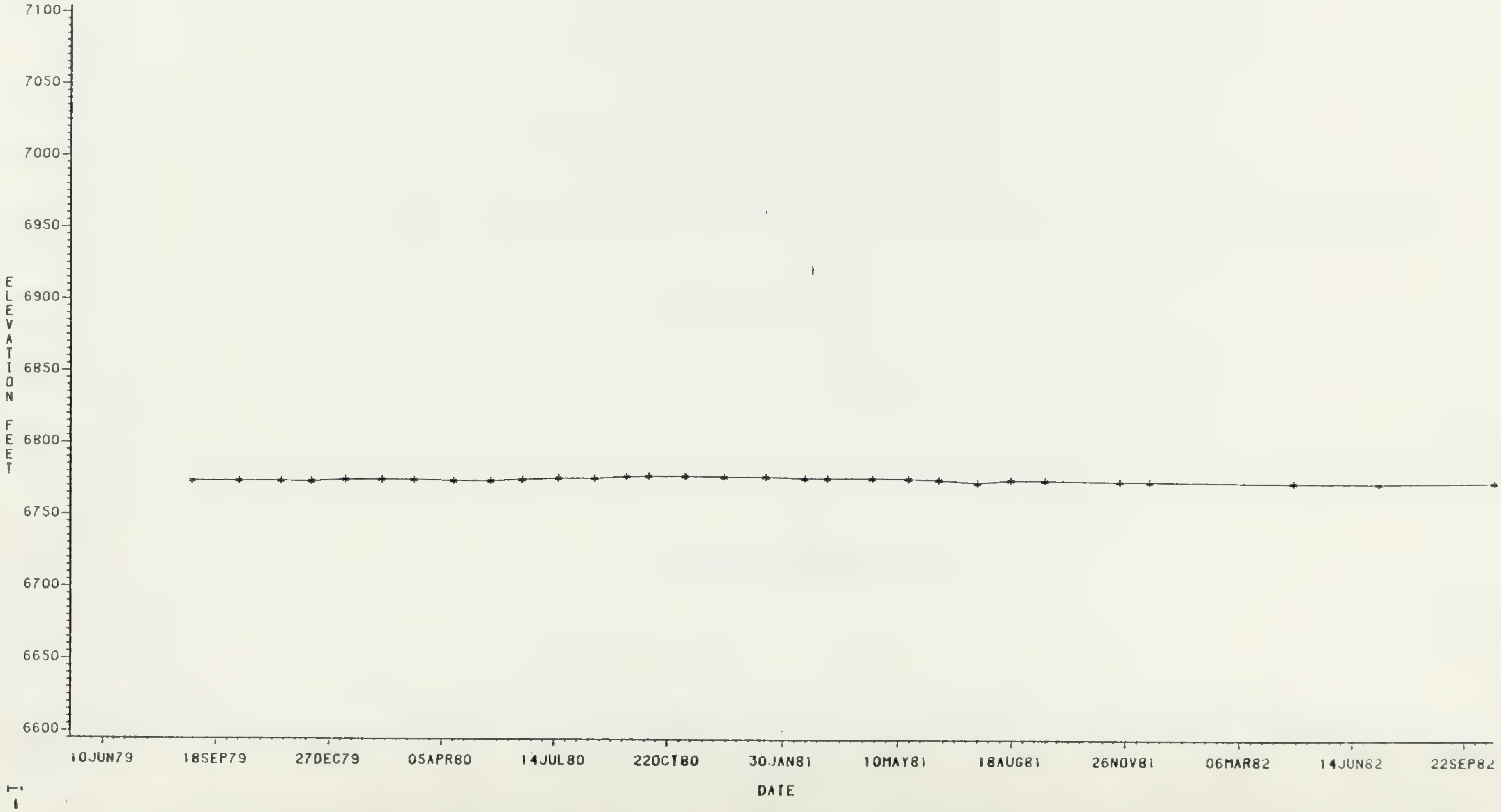
CB WELL LEVELS DATA

LOC=WY71



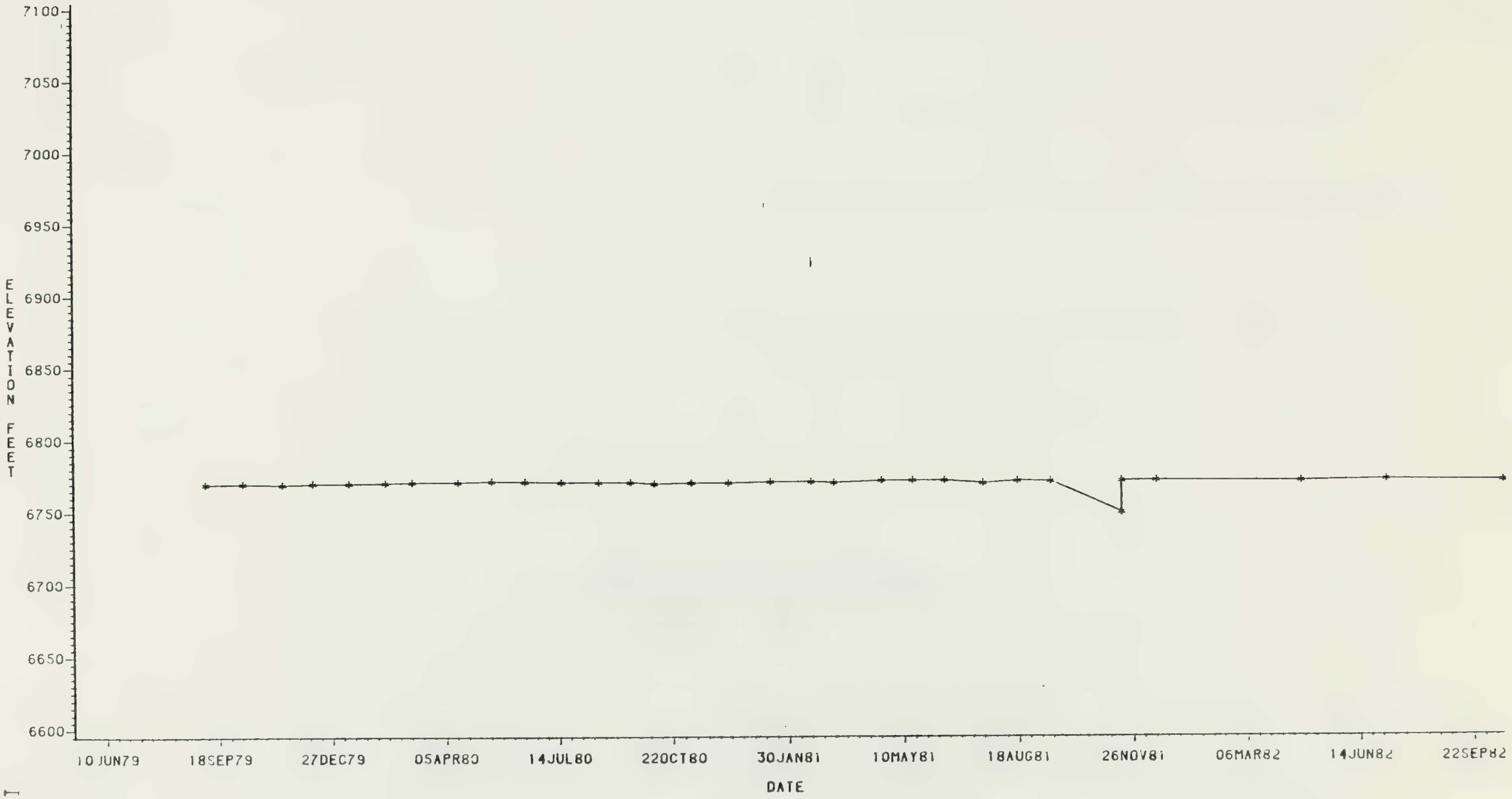
CB WELL LEVELS DATA

LOC=WY72



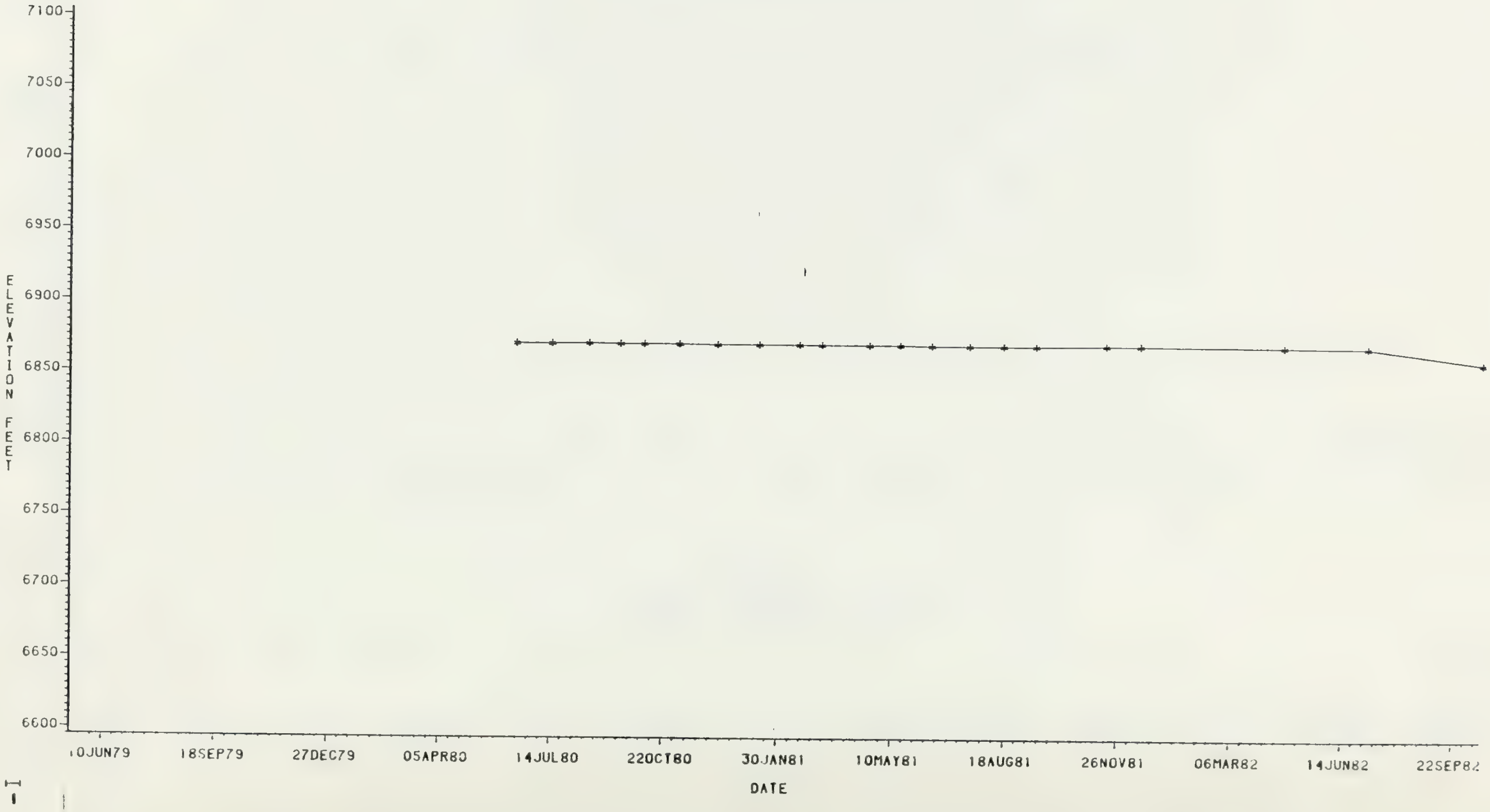
CB WELL LEVELS DATA

LOC=WY75



CB WELL LEVELS DATA

LOC=WY76



CB WELL LEVELS DATA

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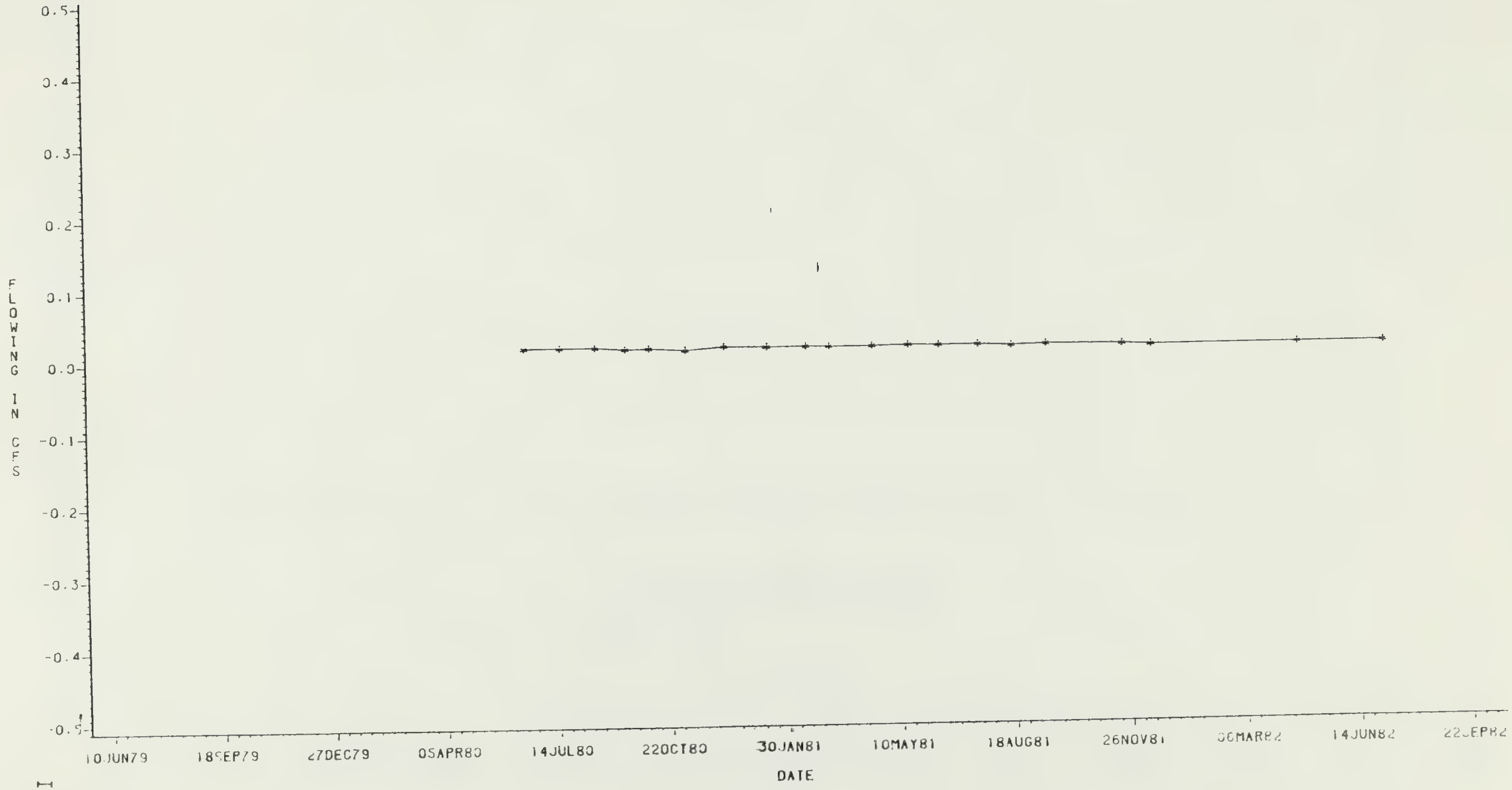
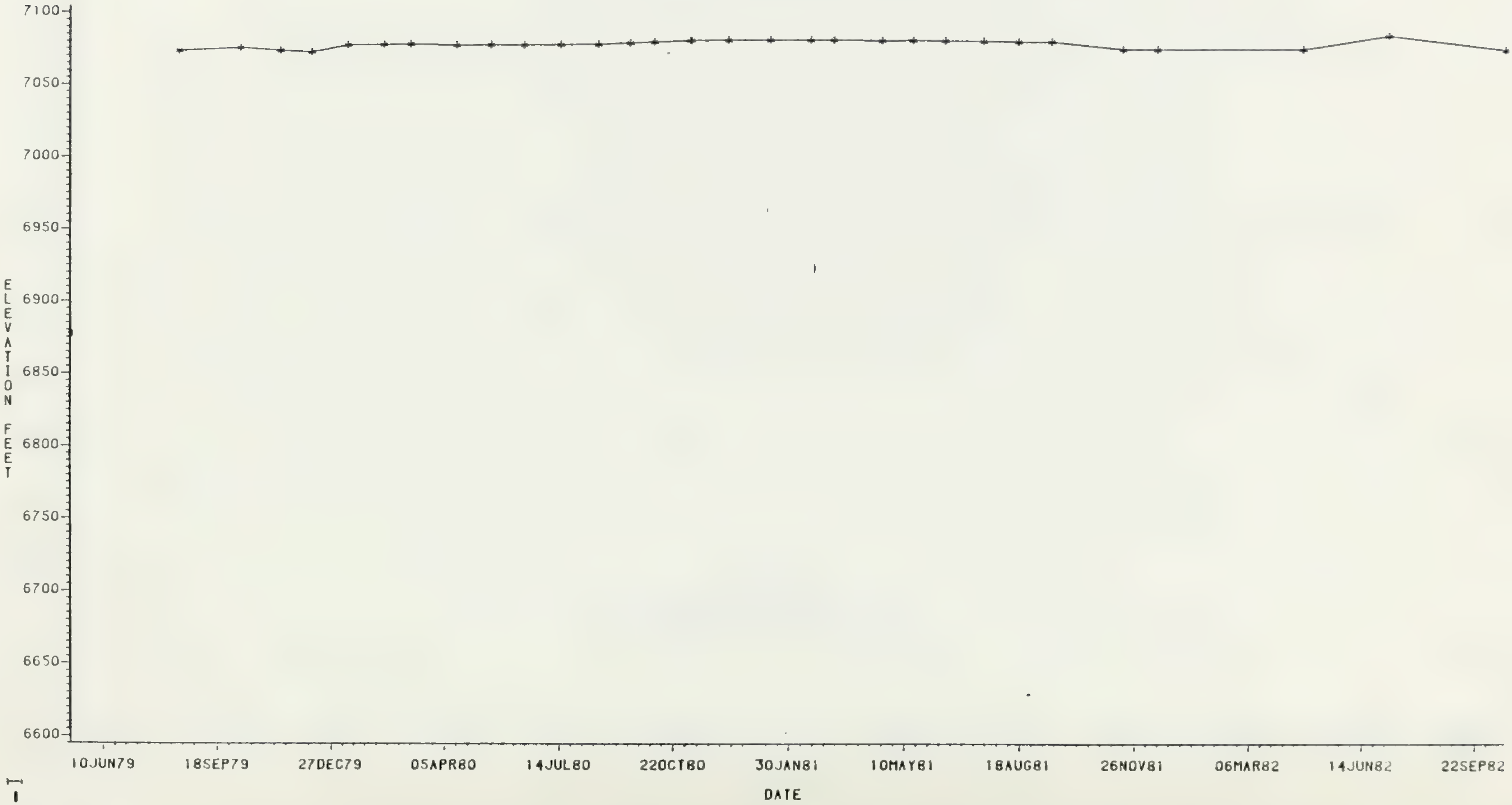


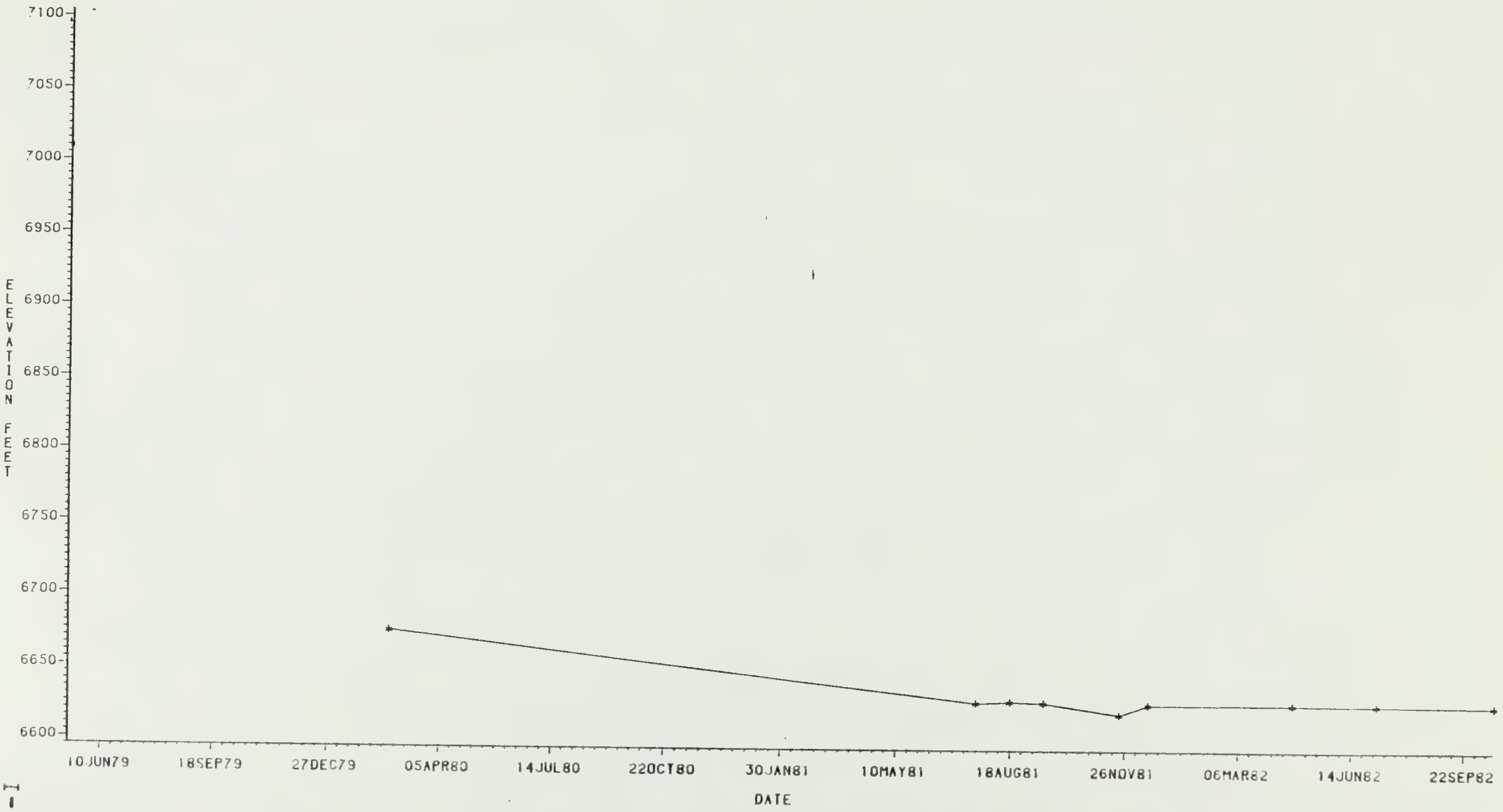
CB WELL LEVELS DATA

LOC=WY78



CB WELL LEVELS DATA

LOC=WY79



IMPOUNDMENTS/
LAND APPLICATION/
REINJECTION/DISCHARGE

2.2.1.6 Impoundments/Land Application/Reinjection/Discharge

Injection of mine water make into well 11X18 (WI18) stopped on June 30, 1982. Data are presented in plot form of reinjection rates and well-head pressures for March 1981 through June 1982. See Figure 2.2.1.6-1.

Discharging of mine water into Piceance Creek began in July 1982. Water samples for flow and quality analyses were taken at ponds A/B discharge point. Fluoride samples were taken in the field at A/B discharge point (WN40), above discharge point on Piceance Creek (WN41), below discharge point on Piceance Creek (WN42), and at Hunter Creek (USGS Station 061) (WU02). Refer to Table 2.2.1.6-1 for flow and field measurements. Water analyses are reported in Section 2.2.2.6.

Monthly levels samples were taken at 22X-17 (WI19) and 24X-17 (WI17) during June through December 1982. Data are presented in Table 2.2.1.6-2. These wells are designated as injection wells but have never been utilized as such. Plots of these wells for levels follow the data table in Figures 2.2.1.6-2 and 2.2.1.6-3.

Weekly levels samples were taken at pond seepage wells 41X13 (WW13) and 31X12 (WW22) while monthly levels samples were taken at the shale pile seepage well 32Y12 (WW32) during June through December 1982. See Table 2.2.1.6-3. Readings for 32Y12 (WW32) are reported as depth in feet from the collar of the well instead of ground elevation. Plots of the pond seepage wells are reported in Levels and Flows Section 2.2.1. Refer to Table 2.2.1-1 in that section for the corresponding page number. These wells are monitoring water levels in the UPC_1 zone and are reviewed monthly to detect any changes.

Location of water stations presented in this subsection can be referenced on Figure 2.2-1 (jacket map).

FIGURE 2.2.1.6-1

CB WELL LEVELS DATA

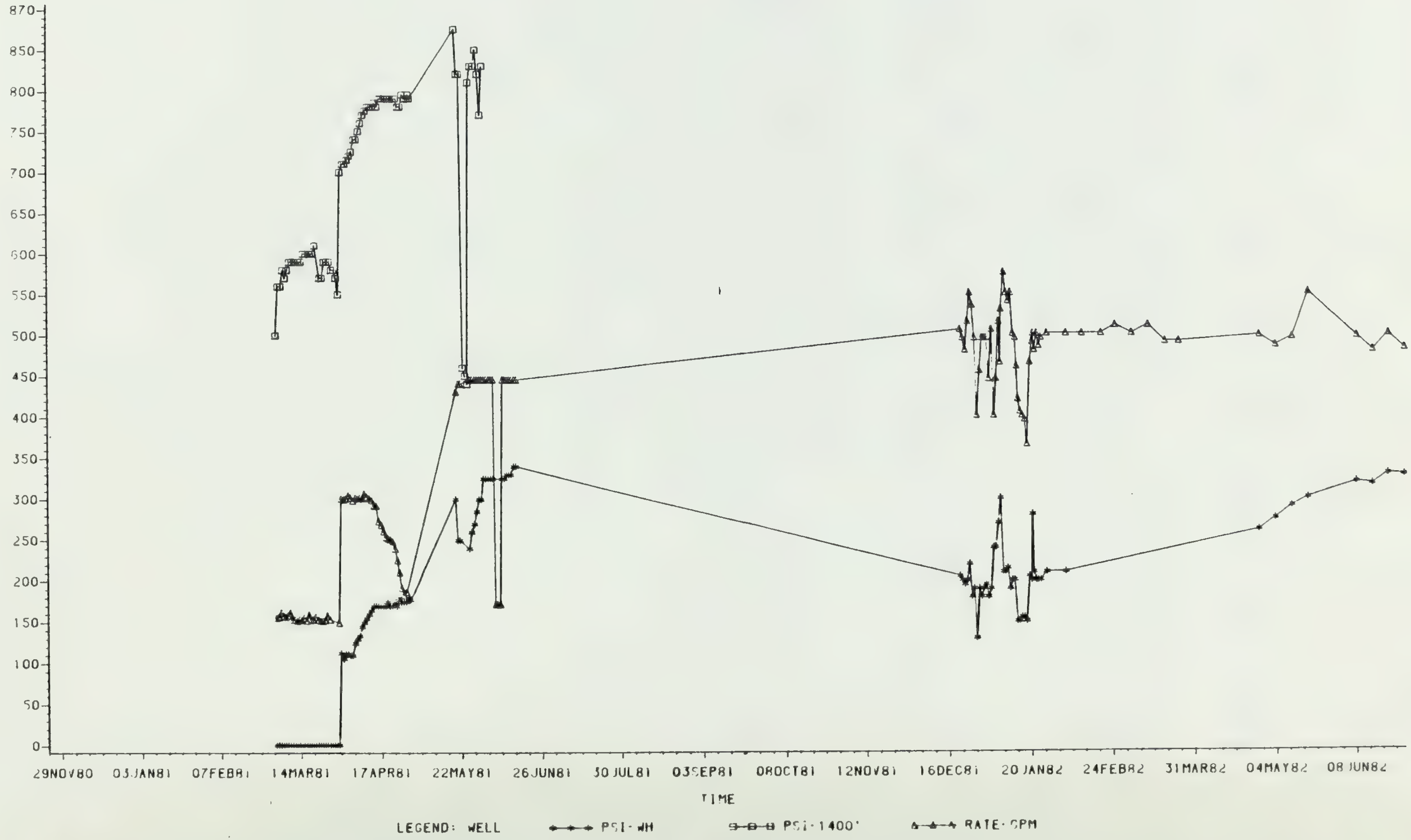


TABLE 2.2.1.6-1

CB-TRACT
NPDES DISCHARGE
WEEKLY AND MONTHLY FIELD MEASUREMENTS

LOC	YEAR	MONTH	DAY	FLOW (CFS)	PH UNIT	SPECIFIC CONDUCTIVITY (MG/L)	DISS OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	TEMPERATURE (DEG C)
WN40	82	7	15	1.3	8.80	1970.0		18.6	22.0
			22	1.2	8.98	1960.0		18.8	24.0
			29	1.3	8.67	2490.0		17.1	21.0
		8	5	1.0	8.90	2110.0			21.0
			12	1.3	8.80	2010.0		19.5	21.0
			19	1.3	8.60	2010.0		20.0	21.0
			26	1.2	8.20	2050.0		20.4	20.0
		9	2	1.1	8.80	1540.0			20.0
			9	1.2	8.70	2080.0		20.6	18.0
			16	.8	8.70	2140.0		20.0	18.0
			23	1.0	8.70	1980.0		20.1	18.0
			30	1.0	8.60	2100.0		20.5	14.0
		10	7	1.0	8.80	2030.0		20.5	12.5
			13	1.1	8.60	2120.0			12.0
			14	1.0				20.0	
			21	1.1	8.60	1950.0		20.2	15.0
			28	1.1	8.70	1730.0		20.4	11.0
		11	4	1.0	8.70	1950.0		20.5	11.0
			11	1.1	8.70	1940.0		20.1	9.5
			18	1.1	8.50	2030.0		20.2	10.5
			23	.8	8.50	2230.0		20.1	9.0
		12	2	1.1	8.60	2070.0		20.3	10.5
			9	1.0	8.50	2090.0		20.1	9.5
			15	1.1	8.75	2100.0		20.3	8.5
			22	1.0	8.70	2140.0		20.9	9.0
			29	1.0	8.80	2110.0			6.0
WN41	82	7	8					.6	
			15					.7	
			22					.6	
			29					.7	
		8	5					.7	
			12					.7	
			19					.8	
			26					.9	
		9	2					.9	
			10					.9	
			17					.9	
			23					1.0	
			30					.9	
		10	7					.9	

NOTE: -INDICATES LESS THAN

TABLE 2.2.1.6-1 (Contd)

CB-TRACT
NPDES DISCHARGE
WEEKLY AND MONTHLY FIELD MEASUREMENTS

LOC	YEAR	MONTH	DAY	FLOW (CFS)	PH UNIT	SPECIFIC CONDUCTIVITY (MG/L)	DISS OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	TEMPERATURE (DEG C)
WN41	82	10	14					.9	
			21					.8	
			28					.8	
		11	4					.9	
			11					.8	
			18					.8	
			23					.7	
		12	2					.7	
			9					.7	
			15					.8	
			22					.9	
			29						
WN42	82	7	8					2.0	
			15					2.0	
			22					3.9	
			29					2.7	
		8	5					1.7	
			12					1.6	
			19					1.5	
			26					1.5	
		9	2					2.0	
			10					1.8	
			17					1.5	
			23					2.0	
			30					2.0	
		10	7					2.0	
			14					1.4	
			21					1.9	
			28					2.0	
		11	4					2.1	
			11					1.9	
			18					2.0	
			23					1.8	
		12	2					1.9	
			9					2.0	
			15					2.2	
			22					2.3	
			29						
WU02	82	7	8	6.8				1.0	
			15	12.9				1.3	

NOTE: -INDICATES LESS THAN

TABLE 2.2.1.6-1 (Contd)

CB-TRACT
NPDES DISCHARGE
WEEKLY AND MONTHLY FIELD MEASUREMENTS

LOC	YEAR	MONTH	DAY	FLOW (CFS)	PH UNIT	SPECIFIC CONDUCTIVITY (MG/L)	DISS OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	TEMPERATURE (DEG C)
W002	82	7	22	11.4				1.6	
			29	23.1				1.7	
		8	5	29.0				1.3	
			12	27.8				1.4	
			19	27.8				1.2	
			26	16.2				1.3	
		9	2	16.2				1.5	
			10	17.0				1.5	
			17	19.6				1.3	
			23	18.5				1.5	
			30	20.0				1.3	
		10	7	20.0				1.3	
			14	19.2				1.2	
			21	16.6				1.5	
			28	15.5				1.5	
		11	4	17.7				1.8	
			11	19.6				1.5	
			18	17.0				1.6	
			23	20.8				1.6	
		12	2	12.9				1.6	
			9	26.2				1.5	
			15	29.7				2.0	
			22	17.7				1.9	
			29						

NOTE: -INDICATES LESS THAN

TABLE 2.2.1.6-2

CB-TRACT
WATER LEVELS FOR INJECTION WELLS
FOR SAMPLE DATE SHOWN

			WELL ID - FT FROM GROUND LEVEL	
			WI17 DEPTH (FT)	WI19 DEPTH (FT)
YR	MO	DY		
82	6	16	6681.35	6678.42
	7	12	6678.00	6653.90
	8	23	6657.30	6601.70
	9	22	6649.20	6584.90
	10	14	6645.20	6576.80
	11	17	6641.10	6568.00
	12	12	6638.60	6562.90

PLUGGD = WELL PLUGGED
DRY = WELL DRY
FLWING = WELL FLOWING
INACCS = WELL INACCESSABLE

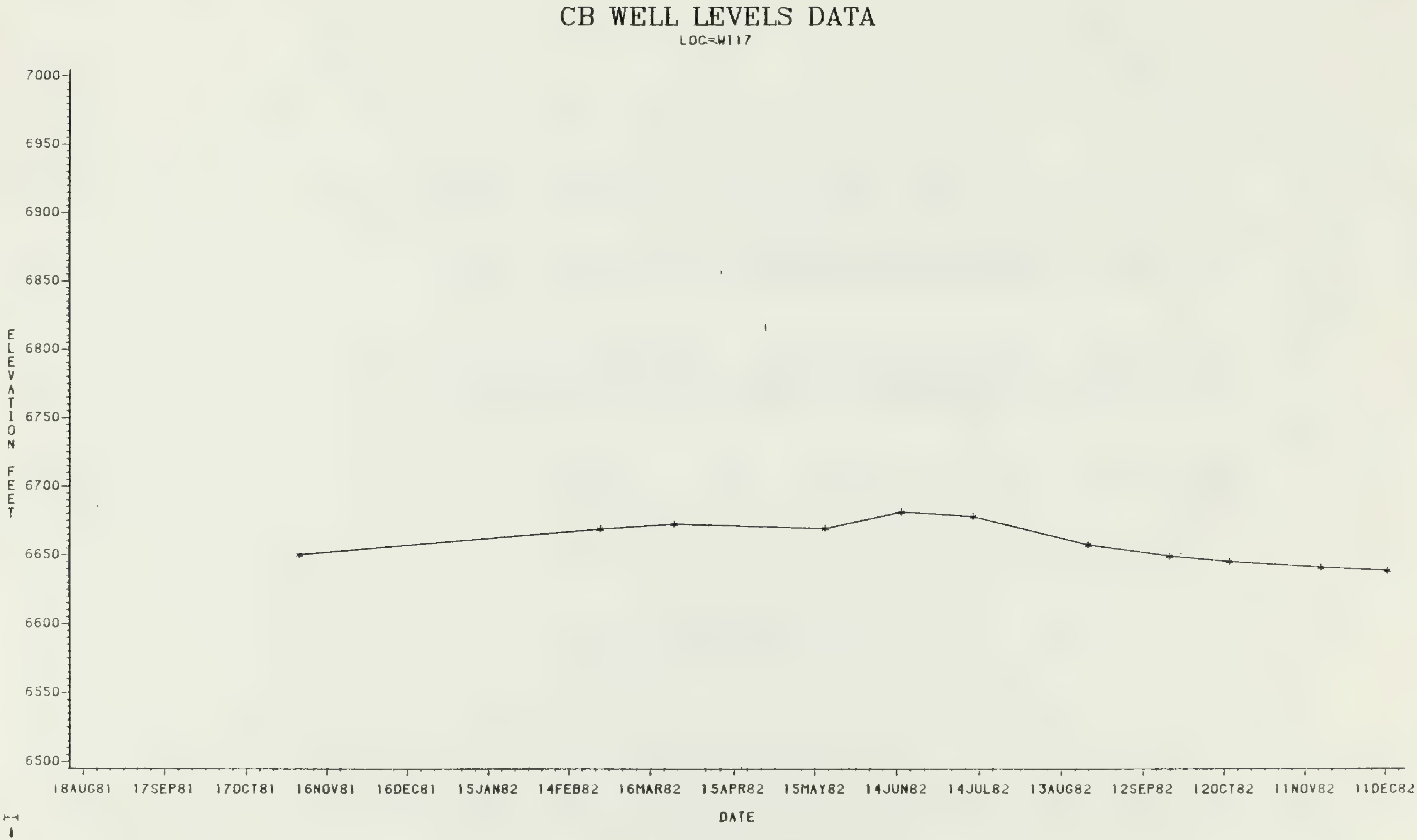


FIGURE 2.2.1.6-2

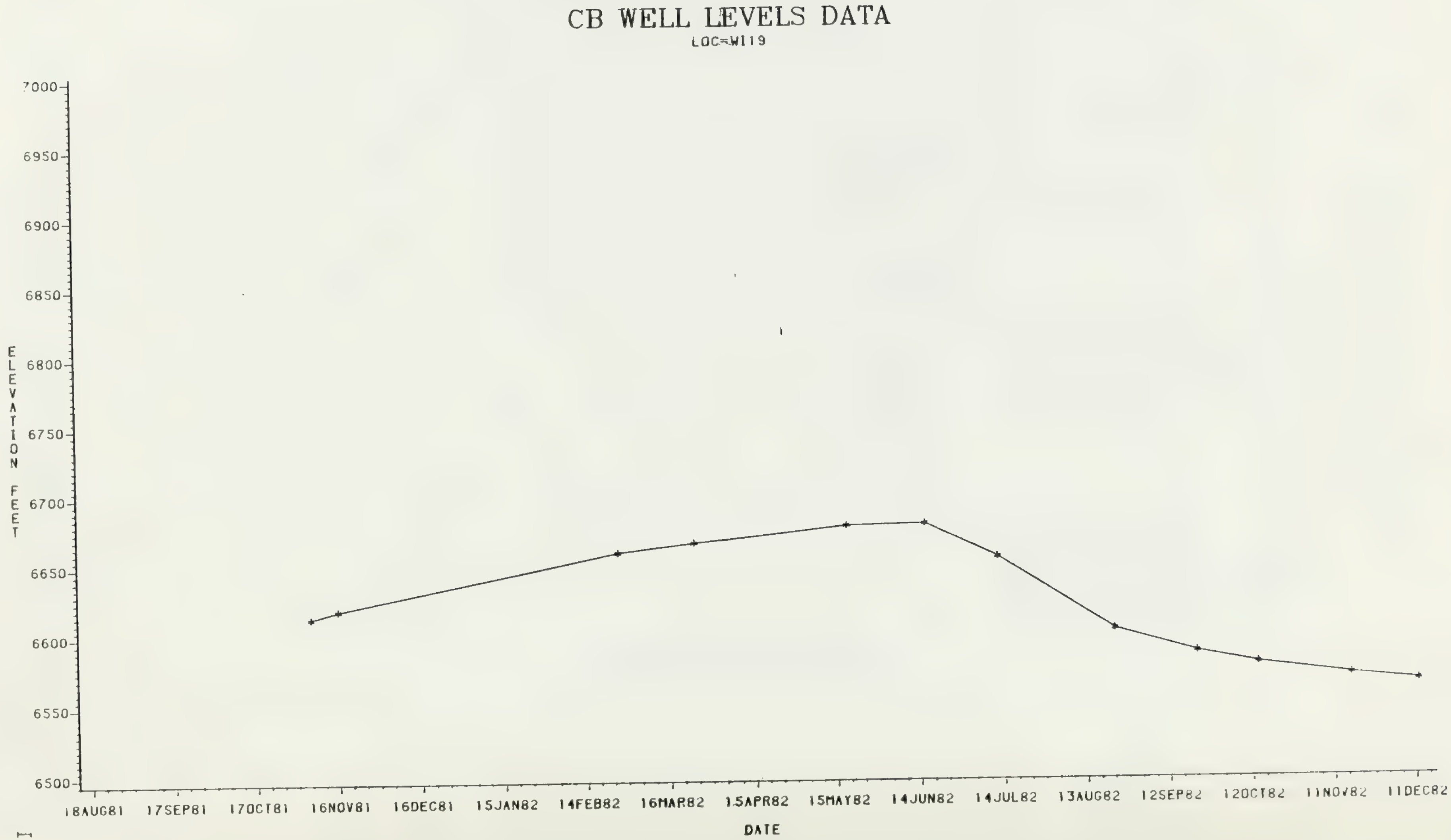


FIGURE 2.2.1.6-3

TABLE 2.2.1.6-3

C-B TRACT
SEEPAGE MONITORING WELLS

YR	MO	DY	WW13 ELEV (FT)	WW22 ELEV (FT)	WW32 depth (FT)
82	6	2	6672	6584	50
		24	6673	6583	51
	7	16		6583	51
		26	6672		
		29	6672	6586	
	8	3	6672	6587	
		10	6670	6588	
		17	6669	6588	
		25	6668	6588	51
		31	6668	6589	
	9	7	6666	6589	
		14	6666	6589	
		21	6665	6589	52
		28	6664	6589	
	10	5	6663	6590	
		12	6661	6589	
		19	6661	6589	
		20			52
		26	6659	6589	
	11	1	6658	6590	
		10	6656	6590	
		16	6655	5897	
		23	6654	6590	53
		30	6653	6589	
	12	1			53
		3		6590	
		14	6737	6589	
		21	6675	6589	
		28	6655	6589	

SHAFT AND
MINE WATER

2.2.1.7 Shaft and Mine Water

Water levels readings are continuing to be taken weekly since flooding the V/E shaft in September 1981. Data for June through December 1982 are included in this section along with a Plot of water elevation in the shaft since recovery. See Table 2.2.1.7-1 and Figure 2.2.1.7-1. Field samples were taken of pH, conductivity and fluoride at difference depths in the V/E shaft on August 11, 1982 and in the Service shaft on June 19, 1982 for just fluoride. The results are presented in Table 2.2.1.7-2.

A water usage report is submitted to the State Engineer's Office monthly. This report consists of all water used and pumped on the C-b Tract. Table 2.2.1.7-3 reports these waters in gallons coming from the various wells, ponds and shafts.

TABLE 2.2.1.7-1

```
    CB-TRACT
SHAFT WATER LEVELS


          SHAFT
              W201
          DEPTH
YR MO DY  (FT)
--------------------

82  6  1 6297.0000
       7 6297.0000
      15 6297.0000
      22 6297.5000
      29 6297.5977
    7  6 6297.5977
      13 6297.6992
      20 6297.6992
      27 6297.5000
    8  3 6297.5977
      10 6297.5977
      17 6297.5000
      24 6297.5000
      31 6297.5000
    9  7 6297.5977
      14 6297.3984
      21 6297.0977
      28 6297.2959
   10  5 6297.1992
      12 6296.7969
      19 6296.5977
      26 6296.5977
   11  2 6296.3984
       9 6295.5000
      16 6295.1992
      23 6296.0000
      30 6296.3954
   12  7 6295.6992
      14 6295.2969
      21 6295.7969
      28 6295.5977
```

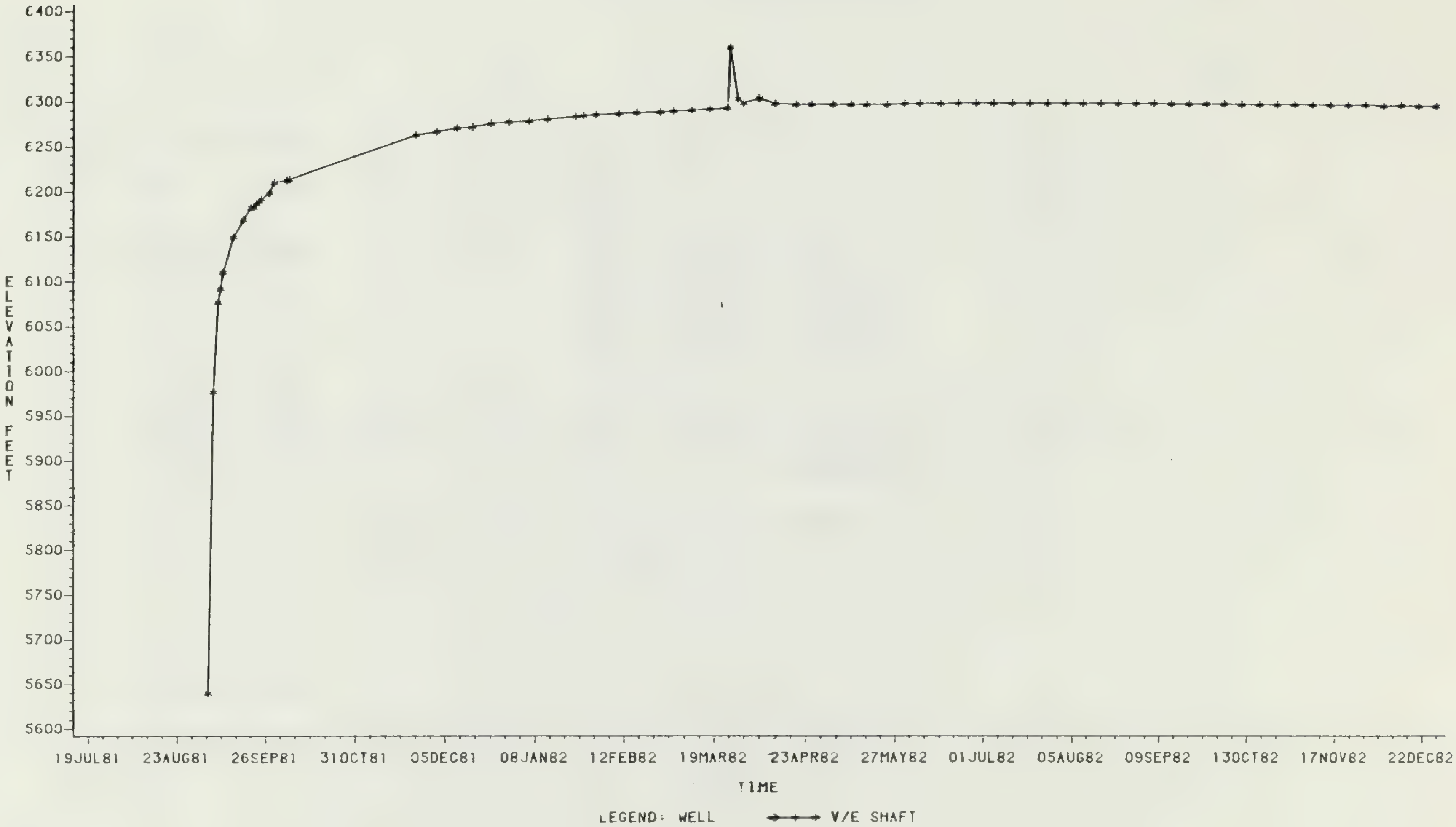

CB WELL LEVELS DATA

FIGURE 2.2.1.7-1

TABLE 2.2.1.7-2

C-B TRACT
SHAFT FIELD MEASUREMENTS BY DEPTH

SHAFT	YEAR	MONTH	DAY	DEPTH (FT)	PH (UNIT)	SPECIFIC CONDUCTANCE (UMHOS)	FLUORIDE (MG/L)
WZ01	82	8	11	500	8.00	1580.0	5.20
				700	8.00	1580.0	5.30
				900	8.00	1580.0	5.40
				1100	8.00	1580.0	5.40
				1300	8.00	1580.0	5.40
				1500	8.00	1590.0	5.40
WZ02	82	6	19	734			.20
				1185			10.40
				1348			18.50
				1488			17.30
				1627			18.30
				1627			19.80

TABLE 2.2.1.7-3

1982 C-B WATER USAGE (10**6 GALLONS, * =ACRE FEET)

	USE	SOURCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL YTD	TOTAL YRS TD
ALL SHAFTS	GLAND WTR	PUMP STA	5.46	2.29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	7.75	190.6
			16.76*	7.03*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	23.79*	584.9*
*TOTAL ALL SHAFTS			5.46	2.29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	7.75	190.6
			16.76*	7.03*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	23.79*	584.9*
OFF-TRACT WTR USED	POTABLE	TOWN	.03	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.21	1.1
			0.08*	0.07*	0.07*	0.07*	0.07*	0.07*	0.06*	0.03*	0.03*	0.03*	0.03*	0.03*	.63*	3.3*
*TOTAL OFF-TRACT WTR USED			.03	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.21	1.1
			0.08*	0.07*	0.07*	0.07*	0.07*	0.07*	0.06*	0.03*	0.03*	0.03*	0.03*	0.03*	.63*	3.3*
TRACT WATER USED	BATCH PLNT	24X-25	.03	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.07	2.5
			0.08*	0.02*	0.04*	0.05*	0.02*	0.01*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	.21*	7.6*
	CONSTR	PONDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		18.0
			0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*		55.1*
	CONSTR	24X25	.05	.01	.05	.02	.04	.04	.05	.08	.00	.00	.00	.00	.33	1.7
			0.14*	0.04*	0.15*	0.06*	0.11*	0.12*	0.14*	0.23*	0.00*	0.00*	0.00*	0.00*	1.01*	5.1*
	DUST CNTL	PONDS	.00	.00	.02	.02	.05	.03	.07	.00	.00	.00	.00	.00	.18	6.6
			0.00*	0.00*	0.05*	0.06*	0.14*	0.10*	0.20*	0.00*	0.00*	0.00*	0.00*	0.00*	.56*	20.4*
	EVP & LEAK	POND C	7.78	7.19	6.64	6.29	8.76	3.52	.60	.10	.10	.10	.10	.00	41.18	144.6
			23.86*	22.06*	20.36*	19.31*	26.89*	10.80*	1.84*	0.31*	0.31*	0.31*	0.31*	0.00*	126.35*	443.8*
	NPDES REL	PONDS	.00	.19	.00	.00	.00	.00	24.09	24.09	22.70	21.06	19.78	22.07	133.98	788.7
			0.00*	0.58*	0.00*	0.00*	0.00*	0.00*	73.92*	73.92*	69.65*	64.62*	60.70*	67.74*	411.12*	2,419.9*
	REINJECT	PONDS	21.56	19.85	19.88	17.95	25.72	21.83	.00	.00	.00	.00	.00	.00	126.78	225.7
			66.16*	60.90*	60.99*	55.09*	78.91*	66.98*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	389.02*	692.6*
	SPR IRRIG	POND C	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		79.1
			0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*		242.6*
*TOTAL TRACT WATER USED			29.41	27.25	26.59	24.30	34.57	25.42	24.80	24.26	22.80	21.16	19.88	22.07	302.53	1,266.8
			90.24*	83.60*	81.60*	74.57*	106.06*	78.01*	76.10*	74.46*	69.96*	64.93*	61.01*	67.74*	928.28*	3,887.1*
WATER IN STORAGE	-	POND A	1.50	1.50	1.50	1.50	1.50	1.50	1.00	1.00	1.00	1.00	1.00	1.00		
			4.60*	4.60*	4.60*	4.60*	4.60*	4.60*	3.07*	3.07*	3.07*	3.07*	3.07*	3.07*		
	-	POND B	1.30	1.40	1.50	.70	.70	1.50	.15	.15	.15	.15	.15	.15		
			3.99*	4.30*	4.60*	2.15*	2.15*	4.60*	0.46*	0.46*	0.46*	0.46*	0.46*	0.46*		
	-	POND C	1.30	1.40	1.20	1.40	1.40	1.20	.60	.50	.40	.30	.20	.20		
			3.99*	4.30*	3.68*	4.30*	4.30*	3.68*	1.84*	1.53*	1.23*	0.92*	0.61*	0.61*		
*TOTAL WATER IN STORAGE			4.10	4.30	4.20	3.60	3.60	4.20	1.75	1.65	1.55	1.45	1.35	1.35		
			12.58*	13.19*	12.89*	11.05*	11.05*	12.89*	5.37*	5.06*	4.76*	4.45*	4.14*	4.14*		
WATER PUMPED	-	33X-1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		4.3
			0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*		13.3*
	-	24X-25	.07	.02	.06	.04	.04	.04	.05	.08	.00	.00	.00	.00	.39	7.9
			0.22*	0.06*	0.18*	0.11*	0.13*	0.13*	0.14*	0.23*	0.00*	0.00*	0.00*	0.00*	1.21*	24.4*
	-	32X-12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		5.9
			0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*		18.0*
	-	V/E SHAFT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		678.9
			0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*	0.00*		2,083.1*
	-	PROD & SERV	29.55	26.21	23.84	20.54	29.55	25.38	24.95	25.00	22.98	21.06	19.86	21.72	290.65	813.0
			90.68*	80.43*	73.16*	63.02*	90.67*	77.88*	76.55*	76.70*	70.53*	64.62*	60.95*	66.65*	891.83*	2,494.8*
*TOTAL WATER PUMPED			29.62	26.23	23.90	20.57	29.59	25.42	25.00	25.07	22.98	21.06	19.86	21.72	291.04	1,510.1
			90.90*	80.50*	73.33*	63.13*	90.80*	78.01*	76.70*	76.73*	70.53*	64.62*	60.95*	66.65*	893.04*	4,633.5*

SHALE DUMPS

2.2.1.8 Shale Dumps

Leachate data were collected from the lysimeters during 1981 are presented in Table 2.2.1.8-1. The leachates may be initiated from precipitation percolating (leaching) through the raw shale to the collectors. Collector bottles are designated A thru E. Test set up was described in last year's Annual Report.

Field measurement (pH, DO, conductivity and temperature) data are also collected at the lysimeters at three depths. Chemical analyses are analyzed and reported by Colorado State University.

TABLE 2.2.1.8-1

LYSIMETER CHECK - FIELD MEASUREMENTS
AT C-b TRACT LEACHATE SHALE PILE

	Page No.
June 1982	I-172
July 1982	I-174
August 1982	I-177
September 1982	I-182
October 1982	I-188

LYSIMETER CHECK

C.B. TRACT

Date: 6/17/82 Time: Observer: D.Newbould	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters	0.28				1.26	2.0	0.66				2.0	0.88				
Temp °C	15				16	14	14				15	15				
PH	8.44				8.49	7.79	7.89				7.70	7.79				
Conductivity (μmhos)	5540				5870	5190	5310				5610	5500				
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity (μmhos)																
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity (μmhos)																

LYSIMETER CHECK

C.B. TRACT

Date: 6-21-82 Time: Observer: P. Ralphs	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters	0.428				1.362	2.0	1.432				2.0	0.272				
Temp °C	16				16	15	16				14	16				
PH	8.47				8.55	7.88	7.89				7.74	7.89				
Conductivity (µmhos)	6180				5770	2580	5020				3850	4890				
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity (µmhos)																
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity (µmhos)																

LYSIMETER CHECK

C.B. TRACT

Date: 7-6-82 Time: Observer: D. Newbould	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters	1.274				2.276	2.0	2.0		2.860		1.320	2.0				
Temp °C	11.5				13.0	12.5	12.0		12.0		10.0	14.5				
PH	8.36				8.50	7.91	7.88		8.29		7.61	8.07				
Conductivity µmhos	6220				6710	5770	6220		6050		6160	5470				
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity µmhos																
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity µmhos																

LYSIMET CHECK

C.B. TRACT

Date: 7-12-82 Time: Observer: D. Newbould	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters	0.448				0.692	2.0	0.778				2.0	0.634				
Temp °C	15.0				12.5	15.0	16.0				15.0	16.0				
PH	8.32				8.48	7.87	7.93				7.69	7.21				
Conductivity $\times 10^3$ µmhos	7.91				7.89	7.11	7.36				6.06	4.61				
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																

LYSIMET CHECK
C.B. TRACT

Date: 7-26-82 Time: 1500 Observer: D.Newbould	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters	0.944				0.294	2.0	2.0				2.0					
Temp °C	23				21	22	22				22					
PH	8.44				8.64	7.87	7.89				7.68					
Conductivity umhos	6100				13510	7440	6530				4810					
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																

LYSIME CHECK
C.B. TRACT

Date: 8-4-82 Time: 0820-0935 hrs. Observer:	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume$_{\text{M-Liters}}$	800ml					2000	750				2000	2000	2000	1800		15' & 20' A Flowing
Temp °C	12					12	11				12	11	11.5	11.5		
PH	8.20					7.6	7.8				7.7	7.4	7.45	7.65		
Conductivity$_{\mu\text{mhos}}$	169					174	178				180	420	560	460		
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																

LYSIMETER CHECK
C.B. TRACT

Date: 8-16-82 Time: Observer: P. Ralphs	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters	0.852				18.91	2.0	2.0		7.32	Trace	2.0	2.0	2.0	18.28	2.09	
Temp ^oC	17				15	16	16		16		16	16	16	16	17	
PH	8.12				8.07	7.80	7.72		7.85		7.86	7.84	7.83	7.82	8.09	
Conductivity $_{\mu mhos}$	8080				6140	8540	8230		4660		3160	1380	1780	1550	3680	
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																

LYSIMET CHECK
C.B. TRACT

Date: 8-26-82 Time: p.m. Observer: P. Ralphs	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters					3.02	2.0	2.0		0.49		2.0	Trace				
Temp °C					17	20	20		20		19					
PH					8.16	7.51	7.59		8.04		7.54					
Conductivity µmhos					6900	6880	6890		6540		6010					
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																
Date: 8-30-82 Time: p.m. Observer: P. Ralphs																
Volume	0.50				4.84	2.0	2.0		4.76		2.0	1.11				
Temp °C	22				19	21	21		21		20	20				
PH	8.12				8.31	7.67	7.71		8.00		7.56	7.80				
Conductivity µmhos	6920				7260	7400	7620		7240		6820	6460				

LYSIM IECK
C.B. ..ACT

Date: 8-16-82 Time: Observer: P. Ralphs	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters	0.852				18.91	2.0	2.0		7.32	Trace	2.0	2.0	2.0	18.28	2.09	
Temp °C	17				15	16	16		16		16	16	16	16	17	
PH	8.12				8.07	7.80	7.72		7.85		7.86	7.84	7.83	7.82	8.09	
Conductivity µmhos	8080				6140	8540	8230		4660		3160	1380	1780	1550	3680	
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																

LYSIME CHECK
C.B. TRACT

Date: 8-19-82 Time: p.m. Observer: P. Ralphs	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters	0.28				11.15	2.0	2.0		3.03		2.0	1.0			T	
Temp °C	18				14	15	15		15		15	15				
PH	7.94				8.04	7.58	7.51		7.88		7.60	7.58				
Conductivity µmhos	4780				5170	6400	7180		6890		4380	4930				
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																
Date: 8-24-82 Time: p.m. Observer: P. Ralphs																
Volume Liters	0.37					2.0	2.0		12.72		2.0	0.67				
Temp °C	23				19	22	22		20		20	22				
PH	8.09				8.22	7.68	7.69		7.92		7.54	8.02				
Conductivity µmhos	6700				6660	7530	7490		7130		5590	5710				

LYSI ECK
C.B. ACT

Date: 9-8-82 Time: a.m. Observer:P. Ralphs	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters	0.69				6.68	2.0	2.0		10.60		2.0	2.0	0.87			
Temp °C	11				11	11	11		11		11	11	11			
PH	8.10				8.29	7.67	7.67		8.0		7.42	7.67	7.69			
Conductivity µmhos	6720				7060	6730	7570		7010		6130	6450	6450			
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																
Date: 9-13-82 Time: a.m. Observer: P. Ralphs																
Volume Liters	0.37				20.95	2.0	2.0		18.60		2.0	2.0	2.0	17.65		
Temp °C	12				12	12	12		12		12	12	12	12		
PH	8.07				8.12	7.67	7.78		7.84		7.75	7.98	7.96	7.81		
Conductivity µmhos	6510				5790	7320	7450		6370		2660	2450	2480	1660		

LYSI HECK
C.B. RACT

Date: 9-14-82 Time: a.m. Observer: P. Ralphs	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters	Trace				21.1	2.0	2.0		19.10		2.0	2.0	2.0	18.92	3.62	Approximate flow rate during sampling time (1:45-3:45) for all 3 lines. (Teflon lines for 20' & 15' and PVC line for 10') was just slightly less than 1 liter per hr.
Temp °C					11	12	12		12		12	12	12	11	12	
PH					8.09	7.77	7.80		7.80		7.80	7.89	7.93	7.96	8.15	
Conductivity µmhos					6060	6240	6100		6330		5670	3820	3390	2380	2920	
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																
Date: 9-15-82 Time: a.m. Observer: P. Ralphs																
Volume Liters	Trace				15.26	2.0	2.0		18.68		2.0	2.0	2.0	11.06	0.56	Flow rate at sampling time was ≃1 liter per hour for all three lines.
Temp °C					13	14	14		14		14	13	14	14	16	
PH					8.11	7.84	7.87		7.86		7.86	7.90	7.92	7.92	8.17	
Conductivity µmhos					6230	7080	6730		6900		5750	5720	5660	6010	4410	

LYSIMET CHECK
C.B. TRACT

Date: 9-16-82 Time: a.m. Observer: P.Ralphs	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters					11.12	2.0	2.0		7.45		2.0	2.0	2.0	8.67		
Temp °C					14	14	14		14		14	14	14	14		
PH					8.12	7.86	7.83		7.90		7.84	7.82	7.85	7.89		
Conductivity µmhos					6610	7090	7480		7520		6630	6510	6540	6530		
Date: 9-20-82 Time: a.m. Observer: P. Ralphs																
Volume Liters	0.5				21.1	2.0	2.0		21.5		2.0	2.0	2.0	20.4	2.7	
Temp °C	14				13	13	13		13		13	13	14	14	13	
PH	8.17				8.19	7.83	7.83		7.93		7.85	7.87	7.85	7.98	8.38	
Conductivity µmhos	6310				6130	7210	7230		6900		6620	6260	6620	6490	5250	
Date: 9-21-82 Time: a.m. Observer: P. Ralphs																
Volume Liters	Trace				4.5	2.0	2.0		3.0		2.0	2.0	2.0	1.6	Trace	
Temp °C					14	15	15		15		14	14	14	14		
PH					8.26	7.95	7.90		8.03		7.98	7.96	7.94	7.99		
Conductivity µmhos					6150	7250	7430		7430		6810	6860	6970	6960		

LYSIME CHECK
C.B. TRACT

Date: 9-22-82 Time: a.m. Observer: P. Ralphs	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters					4.1	2.0	2.0		1.5		2.0	2.0	2.0	0.5		
Temp °C					16	16	17		16		15	15	15	15		
PH					8117	7.77	7.75		7.91		7.73	7.80	7.79	7.80		
Conductivity$_{\mu mhos}$					6570	7640	7700		7680		6880	6740	6810	6740		
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																

LYSIMETER CHECK
C.B. TRACT

Date: 9-27-82 Time: a.m. Observer: P. Ralphs	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters	0.4				9.8	2.0	2.0		20.3		2.0	2.0	2.0	15.8		
Temp °C	15				16	15	15		15		14	14	14	15		
PH	8.13				8.24	7.71	7.72		7.79		7.79	7.81	7.78	7.80		
Conductivity µmhos	6310				6640	7180	7110		7380		6620	6850	6780	6810		
Date: 9-28-82 Time: a.m. Observer: P. Ralphs																
Volume Liters					3.4	2.0	2.0		1.2		2.0	2.0	1.4		0.9	
Temp °C					11	10	11		11		11	11	10		11	
PH					8.15	7.85	7.85		7.93		7.76	7.84	7.86		8.27	
Conductivity µmhos					5620	6590	6570		6700		5780	4780	4840		5300	
Date: 9-29-82 Time: a.m. Observer: P. Ralphs																
Volume Liters					8.4	2.0	2.0		1.5		2.0	2.0	2.0	4.7		
Temp °C					11	10	11		11		10	10	10	10		
PH					8.06	7.86	7.85		7.86		7.84	7.87	7.88	7.86		
Conductivity µmhos					5170	7280	7120		6340		5370	3180	3710	2980		

LYSIMETER CHECK

C.B. TRACT

Date: 9/30/82 Time: p.m. Observer: P. Ralphs	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters					12.5	2.0	2.0		14.8		2.0	2.0	2.0	7.8		
Temp ^oC					15	15	15		15		15	15	14	14		
PH					8.10	7.84	7.85		7.88		7.77	7.87	7.87	7.92		
Conductivity µmhos					5430	6070	6220		6060		6030	5510	6060	5880		
Date: 10-4-82 Time: a.m. Observer: P. Ralphs																
Volume Liters	0.5				21.0	2.0	2.0		20.6		2.0	2.0	2.0	20.0	2.7	
Temp ^oC	10				13	9	9		12		9	9	9	9	9	
PH	8.04				8.04	7.82	7.83		7.69		7.86	7.87	7.89	7.90	8.15	
Conductivity µmhos	6120				6110	7110	6770		7140		6770	6350	5870	4420	5320	
Date: 10-5-82 Time: Noon Observer: P. Ralphs																
Volume Liters					4.4	2.0	2.0		6.7		2.0	2.0	2.0	5.6		
Temp ^oC					9	9	10		10		10	10	10	10		
PH					8.07	7.75	7.79		7.84		7.68	7.73	7.76	7.80		
Conductivity µmhos					6870	7870	7730		7880		7370	7360	7420	7460		

LYSIMET CHECK

C.B. TRACT

Date: 10-7-82 Time: a.m. Observer: P. Ralphs	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters					6.0	2.0	2.0		9.1		2.0	2.0	2.0	6.6		
Temp °C					9	8	8		9		8	9	8	8		
PH					8.08	8.84	8.84		7.90		7.80	7.83	7.88	7.88		
Conductivity µmhos					6140	7030	6920		7000		6670	6570	6700	6690		
Date: 10-11-82 Time: Noon Observer: P. Ralphs																
Volume Liters	0.4				10.2	2.0	2.0		11.2		2.0	2.0	2.0	8.4	5.4	
Temp °C	6				5	6	6		6		5	6	5	6	5	
PH	8.07				8.05	7.84	7.83		7.89		7.92	7.88	7.88	7.87	8.06	
Conductivity µmhos	6570				6040	7460	7380		7260		7620	7560	7040	7750	7300	
Date: 10-20-80 Time: a.m. Observer: P. Ralphs																
Volume Liters	0.5				7.7	2.0	2.0		20.1	3.9	2.0	2.0	2.0	17.2	2.6	
Temp °C	8				9	7	8		7	8	8	8	7	8	8	
PH	7.96				8.05	7.71	7.70		7.89	8.09	7.65	7.68	7.74	7.74	8.13	
Conductivity µmhos	6280				5950	7150	6580		7160	7660	7130	6930	6740	6960	6840	

SUPPLEMENTAL
WATER DATA

2.2.1.9 Supplemental Water Data - Hydrology

Daily flow readings from Willow and Hunter Creeks are reported in this section for water year 1982 (October 1981 - September 1982). These data are collected by the Division of Water Resources. Reporting of these stations are required by the WAP; see Tables 2.2.1.9-1 and 2.2.1.9-2.

Levels data for wells monitoring the Uintah Zone and composites of all aquifer zones are presented in Tables 2.2.1.9-3 and 2.2.1.9-4. Plots of the water levels in two composite wells are displayed in Figures 2.2.1.9-1 and 2.2.1.9-2. Plots for two Uintah Zone wells are displayed in Levels and Flows Section 2.2.1 as overlays with other wells. Refer to Table 2.2.1-1 for the corresponding page number of these wells.

TABLE 2.2.1.9-1

Discharge In Cubic Feet Per Second Willow Creek - Shell Station **Water Year October** 1981 **to September** 1982

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.1	1.1	1.5	1.4	1.5		1.7	1.9	1.4	1.0	.7	.4
2	1.1	1.1	1.5	1.4	1.6		1.7	1.9	1.4	.8	.7	.4
3	1.1	1.1	1.5	1.4	1.6		1.7	1.9	1.3	.8	.7	.5
4	1.1	1.2	1.5	1.4	1.6		1.7	1.8	1.3	.8	.7	.5
5	1.1	1.2	1.5	1.4	1.6		2.1	1.9	1.4	.9	.7	.5
6	1.1	1.3	1.5	1.4	1.6		2.2	1.9	1.4	.9	.7	.5
7	1.1	1.3	1.5	1.4	1.6		2.2	1.9	1.4	.9	.6	.5
8	1.1	1.3	1.5	1.4	*		2.2	1.9	1.4	.9	.6	.5
9	1.1	1.3	1.5	1.4			2.1	1.9	1.4	.9	.6	.5
10	1.1	1.3	1.5	1.4			2.1	1.9	1.4	.9	.6	.5
11	1.1	1.3	1.5	1.4			2.1	1.9	1.3	.9	.6	.6
12	1.1	1.3	1.5	1.4			2.1	2.1	1.5	.8	.6	.5
13	1.1	1.2	1.5	1.4			2.1	2.2	1.4	.8	.6	.6
14	1.1	1.2	1.5	1.4		2.3	2.1	2.0	1.5	.8	.6	.6
15	1.2	1.2	1.5	1.4		2.4	2.1	1.9	1.4	.8	.6	.5
16	1.2	1.2	1.6	1.4		2.4	2.0	1.9	1.4	.8	.6	.5
17	1.1	1.2	1.3	1.4		2.4	1.8	2.0	1.4	.8	.6	.5
18	1.1	1.2	1.3	1.4		2.3	1.8	1.9	1.4	.8	.6	.6
19	1.1	1.2	1.3	1.4		2.3	1.8	1.4	1.3	.7	.5	.6
20	1.1	1.1	1.3	1.5		2.2	1.8	1.5	1.2	.7	.5	.6
21	1.1	1.3	1.3	1.5		2.2	1.8	1.2	1.2	.7	.5	.5
22	1.1	1.3	1.3	1.5		2.2	1.9	1.3	1.2	.7	.5	.5
23	1.1	1.3	1.3	1.5		2.2	1.8	1.4	1.2	.7	.5	.5
24	1.2	1.3	1.3	1.5		2.2	1.8	1.3	1.2	.8	.4	.5
25	1.2	1.4	1.3	1.5		2.2	1.8	1.3	1.2	.8	.4	.5
26	1.2	1.4	1.4	1.5		2.1	1.7	1.3	1.2	.8	.4	.5
27	1.2	1.4	1.4	1.5		2.1	1.8	1.3	1.2	.8	.4	.5
28	1.1	1.4	1.4	1.5		2.1	1.8	1.1	1.1	.8	.4	.6
29	1.1	1.4	1.3	1.5		2.0	1.9	1.1	1.1	.7	.4	.6
30	1.1	1.4	1.3	1.5		1.9	1.9	1.2	1.1	.7	.4	.6
31	1.1		1.4	1.5		1.8		1.3		.7	.4	
Total	34.7	37.9	44.0	44.6	11.1	39.3	57.6	51.5	39.3	24.9	17.1	15.7
Ac-ft	68.8	75.2	87.3	88.5	22.0	78.0	114.2	102.1	78.0	49.4	33.9	31.1

COLORADO PRINTING CO., GRAND JUNCTION, COLO.

1982 Total SFD 417.7
1982 Total Ac. Ft. 828.5

*Clock stopped, station unattended.

TABLE 2.2.1.9-2

Discharge In Cubic Feet Per Second

Hunter Creek - Shell Station

Water Year October 1981 to September 1982

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.2	1.2	1.1	1.1	1.1		1.2	1.1	1.1	1.0	.8	.9
2	1.2	1.3	1.1	1.1	.2		1.1	1.1	1.1	.9	.9	.9
3	1.3	1.2	1.1	1.1	.2		.9	1.1	1.1	.9	.8	.9
4	1.4	1.2	1.1	1.1	.2		.8	1.1	1.1	.9	.8	.9
5	1.2	1.2	1.1	1.1	.2	1.3	.8	.9	1.1	.9	.8	.8
6	1.2	1.2	1.1	1.1	.2	1.4	1.0	1.0	1.1	.9	.8	.8
7	1.2	1.2	1.1	1.1	.2	1.4	1.3	1.0	1.1	1.0	.9	.8
8	1.3	1.2	1.1	1.1	*	1.4	1.2	.9	1.1	1.0	.9	.8
9	1.2	1.2	1.0	1.1		1.3	1.2	.6	1.1	1.0	.9	.8
10	1.2	1.2	1.1	1.1		1.2	1.2	.4	1.1	.5	.9	.8
11	1.2	1.2	1.1	1.1		1.2	1.2	.6	1.1	.2	.9	.8
12	1.2	1.2	1.1	1.1		1.2	1.2	1.4	1.1	.7	.9	.8
13	1.2	1.2	1.1	1.1		1.2	1.2	1.3	1.1	.7	.9	.9
14	1.2	1.2	1.0	1.1		1.2	1.1	1.2	1.1	.6	.9	.9
15	1.3	1.1	1.1	1.1		1.3	1.1	1.1	1.1	.6	.9	.8
16	1.3	1.1	1.1	1.1		1.3	1.1	1.1	1.1	.5	.9	.8
17	1.2	1.1	1.1	1.1		1.3	1.1	1.1	1.1	.8	.9	.8
18	1.2	1.2	1.0	1.1		1.3	1.1	1.1	1.1	.9	.9	.8
19	1.2	1.1	1.0	1.1		1.3	1.1	1.1	1.0	.9	.9	.9
20	1.2	1.1	1.0	1.1		1.3	1.1	1.1	1.1	.9	.8	.8
21	1.2	1.1	1.0	1.1		1.3	1.1	1.1	1.1	.9	.8	.8
22	1.2	1.1	.9	1.1		1.2	1.1	.3	1.1	.9	.8	.8
23	1.2	1.1	1.0	1.1		1.2	1.1	.6	1.0	.8	.9	.8
24	1.2	1.1	1.0	1.1		1.2	1.1	.8	1.0	.8	.9	.8
25	1.2	1.1	1.0	1.1		1.2	1.1	.8	1.0	.9	.9	.8
26	1.2	1.1	1.0	1.2		1.3	1.1	.8	1.0	.8	.9	.8
27	1.2	1.1	1.0	1.1		1.3	1.1	1.0	1.0	.7	.9	.8
28	1.2	1.1	1.1	1.1		1.3	1.1	.9	1.0	.5	.9	.8
29	1.2	1.1	1.1	1.1		1.3	1.1	1.0	1.0	.5	.9	.8
30	1.2	1.1	1.1	1.1		1.3	1.1	1.1	1.0	.8	.9	.8
31	1.2		1.1	1.1		1.3		1.1		.9	.9	
Total	37.8	34.6	32.8	34.2	2.3	34.5	33.0	29.8	32.1	24.3	27.1	24.7
Ac-ft	75.0	68.6	65.1	67.8	4.6	68.4	65.4	59.1	63.7	48.2	53.8	49.0

COLORADO PRINTING CO., GRAND JUNCTION, COLO.

1982 Total SFD 347.2
1982 Total Ac. Ft. 688.7

*Clock stopped, station unattended.

TABLE 2.2.1.9-3

CB-TRACT
WATER LEVELS
UINTAH FORMATION ZONE
FOR SAMPLE DATE SHOWN

YR	MO	DY	WELL ID WC17 DEPTH (FT)	WC91 DEPTH (FT)
82	6	16		6529
		17	6656	
	8	16		6526
		17	6653	
	10	15	6653	
	12	12	6651	

PLUGGD = WELL PLUGGED
DRY = WELL DRY
FLWING = WELL FLOWING
INACCS = WELL INACCESSABLE

TABLE 2.2.1.9-4

```
                                                                          CB-TRACT
                                                                   WATER LEVELS IN COMPOSITE WELLS
                                                                   REQUIRED BY WATER AUGMENTATION PLAN
                                                                   FOR SAMPLE DATE SHOWN


              WELL ID - MEASURING POINT ELEVATION (FT)
              WV01      WV02      WV03      WV04      WV05      WV10      WV37

              DEPTH     DEPTH     DEPTH     DEPTH     DEPTH     DEPTH     DEPTH
 YR    MO     (FT)      (FT)      (FT)      (FT)      (FT)      (FT)      (FT)
---------------------------------------------------------------------------------
 82     6                                                                 5606
        7     5330                                    7358      65        5608
        8                                                       69        5595
        9                                                                 5575
       10     5330      25        8         5         7358                5564
       11                                                                 5550
       12                                                                 5541


                                                                PLUGGD = WELL PLUGGED
                                                                DRY    = WELL DRY
                                                                FLWING = WELL FLOWING
                                                                INACCS = WELL INACCESSABLE
```

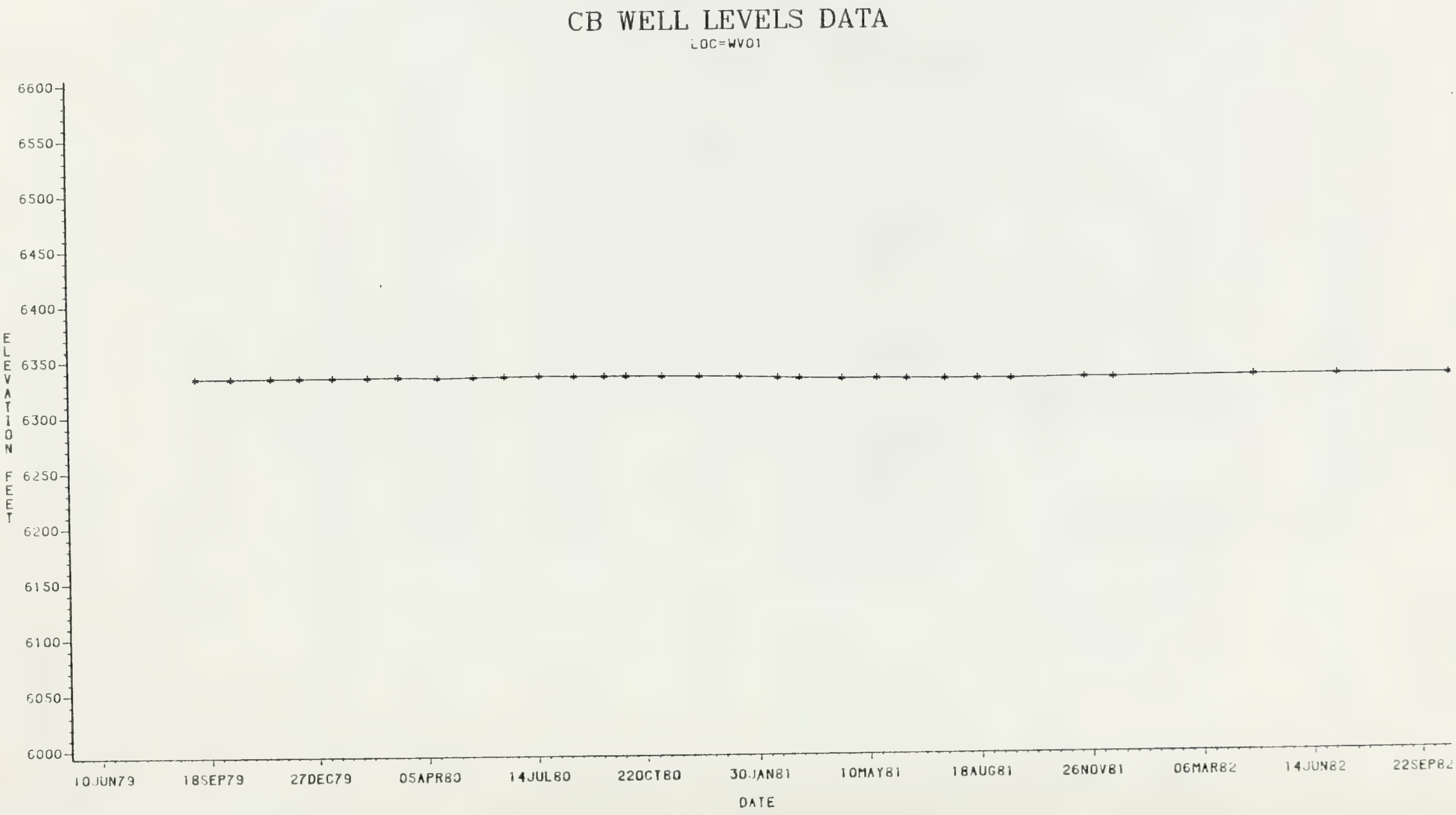


FIGURE 2.2.1.9-1

CB WELL LEVELS DATA

LOC=WVO5

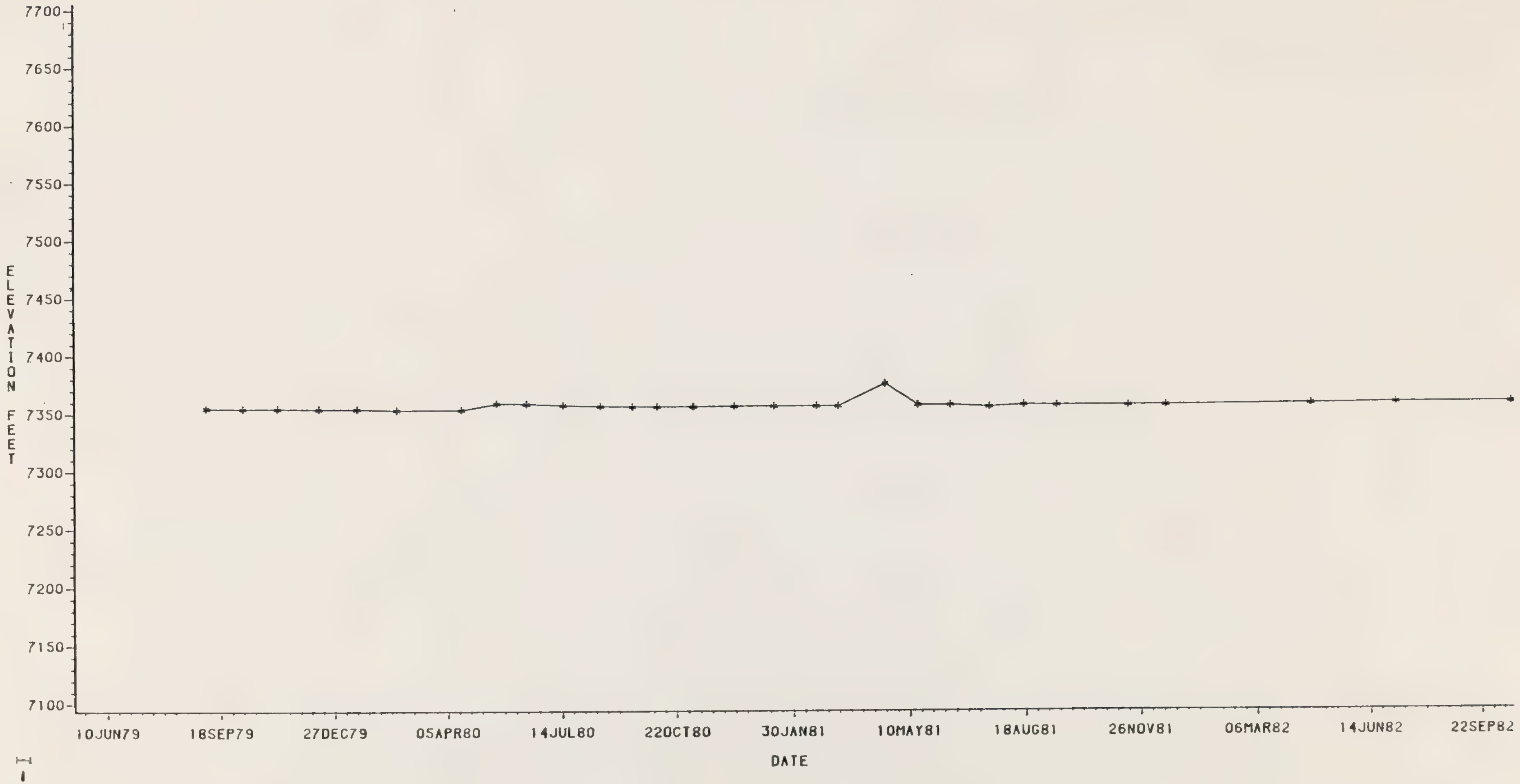


FIGURE 2.2.1.9-2

2.2.2 Water Quality

Water samples taken at USGS surface streams, springs and seeps, alluvial and bedrock wells, seepage wells, discharge points, shafts and shale dumps, were analyzed for various variables depending on the monitoring and reporting requirements of these water stations. Requirements for the Interim Monitoring Plan (IMP), the Water Augmentation Plan (WAP), and the National Pollutant Discharge Elimination System (NPDES) documents are identified within each subsection. Data tables are presented in these subsections for water samples taken in June through December 1982.

During this report period statistics were computer generated for variables analyzed on water samples taken at springs and seeps, alluvial and bedrock wells, and mine water discharges. Table 2.2.2-1 lists the variables and units measured for statistical tables presented in the subsections that follow. Statistical results generated were the mean, standard deviation, minimum value, maximum value and number of samples analyzed for each variable during October 1977 through September 1982. This time period covers 5 water years; 1978 - 1982.

Prior to generating these statistics an attempt was made to correct any values stored in the RAMIS data base water quality files which were entered incorrectly. Data tables were run for water stations sampled since Baseline, November 1974 through December 1982. These tables appear in the Water Quality Assurance Section 2.2.4. Refer to the list of tables in that section to find any specific water types.

Similar statistics were generated for USGS stream gauging stations 007 and 061 as for other water types. The standard error of the mean, sum of the variables, variance, and coefficient of variation were generated in addition to the mean, standard deviation, minimum and maximum values for the number of samples analyzed in three water years, November 1979 through September 1982.

Time series plots of various water quality parameters are presented in the Surface Streams and Springs and Seeps Sections (2.2.2.1 and 2.2.2.2) along with a brief summary.

TABLE 2.2.2-1

Water Constituent Units

Variable	Table Abbreviation	Units
Total Alkalinity	TALK	mg/l as $CaCO_3$
Aluminum	AL	mg/l
Arsenic	ARS	mg/l
Fecal Coliform Bacteria	FCOLIF	Colonies/100 ml
Barium	BA	mg/l
Bicarbonate	HCO_3	mg/l as $CaCO_3$
Biological Oxygen Demand (5-day)	BOD	mg/l
Boron	B	mg/l
Bromide	BR	mg/l
Total Coliform	TCOLIF	Colonies/100 ml
Cadmium	CD	mg/l
Calcium	CA	mg/l
Carbonate	CO_3	mg/l as $CaCO_3$
Chloride	CL	mg/l
Chromium	CR	mg/l
Chemical Oxygen Demand	COD	mg/l
Copper	CU	mg/l
Dissolved Oxygen	DO	mg/l
Dissolved Organic Carbon	DOC	mg/l
Surfactants	LAS	mg/l
Fluoride	F	mg/l as $CaCO_3$
Hardness (Ca + Mg)	HARD	mg/l
Iron	FE	mg/l
Kjeldahl-Nitrogen	KJN	mg/l
Lead	PB	mg/l as N
Lithium	LI	mg/l
Magnesium	MG	mg/l
Manganese	MN	mg/l
Mercury	HG	mg/l
Molybdenum	MOLY	mg/l
Nickel	NI	mg/l
Nitrate	NO_3	mg/l
Oil and Grease	OLGR	mg/l
S_2O_3	S_2O_3	mg/l
pH	PH	units
Potassium	K	mg/l
Radioactivity - Alpha	RA	PCi/l
- Beta	BTR	PCi/l
- Radium 226	RR	PCi/l
Selenium	SE	mg/l
Silver	AG	mg/l
Sodium	NA	mg/l
Total Dissolved Solids	TDS	mg/l

TABLE 2.2.2-1 (Contd)

Water Constituent Units

Variable	Table Abbreviation	Units
Soluble Solids	SOLS	mg/l
Conductivity	SPC	µmhos
Strontium	SR	mg/l
Sulfate	SO_4	mg/l
Temperature	TEMP	Degrees C
Zinc	ZN	mg/l
Total Organic Carbon	TOC	mg/l
Phenols	PHEN	mg/l
Cyanide	CYAN	mg/l
Ammonia	NH_3	mg/l
Phosphate	PST	mg/l
Silica	SIO_2	mg/l
Uranium	U	mg/l
Suspended Solids	SUSS	mg/l
Thorium	TH	mg/l
Cesium	CS	mg/l
Iodine	I	mg/l
Antimony	SB	mg/l
Zirconium	ZR	mg/l
Yttrium	Y	mg/l
Rubidium	RB	mg/l
Germanium	GE	mg/l
Gallium	GA	mg/l
Titanium	TI	mg/l
Scandium	SC	mg/l
Tungsten	W	mg/l
Cobalt	CO	mg/l
Vanadium	V	mg/l
Beryllium	BE	mg/l
Hydroxides	OH	mg/l
Conductive Hydrocarbons	CH	mg/l
P-Alkalinity	PA	mg/l
Mo-Alkalinity	MA	mg/l
Thiocyanate	SCN	mg/l
Turbidity	TURB	mg/l
Field Fluoride	FF	mg/l
Field Total Suspended Solids	TSSF	mg/l
Radium 228	R228	PCi/l

SURFACE
STREAMS

2.2.2.1 Surface Streams

Water samples were collected from 9 USGS stream gauging stations along Piceance Creek. See Figure 2.2.1.1-1 in Surface Streams subsection of the Levels and Flows Section 2.2.1. Water analyses data reported in this section are for 1982 water year (September 1981 - September 1982). Field data for this time period are not in the WATSTOR data base. Data should be available for the next semiannual report. Index to monitoring stations and data sampled are shown in Table 2.2.2.1-1 and water quality data are referenced in Table 2.2.2.1-2. Remark codes used in the data tables are shown in Table 2.2.2.1-3.

Statistics were run for the mean, standard deviation, minimum value, maximum value, standard error of the mean, the sum of the variables, the variance and coefficient of variation for water parameters HCO3, CA, Mg, NA and SAR sampled from USGS stations 007 and 061. This study was done to determine potential impacts on the water in Piceance Creek above and below the discharge point on C-b Tract. Results of these statistics are reported on Table 2.2.2.1-4 for combined water years 1980 - 1981 (October 1979 - September 1981).

Time series plots of these variables for both stations are presented by water year following the statistics results. See Figures 2.2.2.1-1 through 2.2.2.1-10.

TABLE 2.2.2.1-1

SURFACE WATER DATA PRESENTED
ENVIRONMENTAL MONITORING REPORT

Stations	Daily Discharge (Flow)	Daily Mean Sediment & Discharge Data	Daily Dissolved Oxygen	Daily pH Readings	Daily Specific Conductance	Daily Temperature	Water Quality Data
09304800*(WU48)	(ND)	X			X	X	X
09306007*(WU07)	X	X	X		X	X	X
09306015 (WU15)	X	X					
09306022*(WU22)	X	X	X	X	X	X	X
09306025 (WU25)	X	X			X	X	X
09306028 (WU28)	X	X			X	X	X
09306033 (WU33)	X	X			X	X	X
09306036 (WU36)	X	X			X	X	X
09306039 (WU39)	X	X			X	X	X
09306042 (WU42)	X	X			X	X	X
09306050 (WU50)	X	X			X	X	X
09306052 (WU52)	X	X			X	X	X
09306058*(WU58)	X	X	X	X	X	X	X
09306061*(WU61)	X	X	X	X	X	X	X
09306200*(WU00)	(ND)	X			X	X	X
09306222*(WU62)	(ND)	X			X	X	X
09306255*(WU55)	(ND)	X			X	X	X

*Major Station

(ND) = Data Not Available

TABLE 2.2.2.1-2

Index to USGS Gauging Stations Water Quality Data

Station Designation	Computer Code	Page No.
09304800	WU48	I-204
09306007	WU07	I-210
09306022	WU22	I-216
09306042	WU42	I-222
09306058	WU58	I-228
09306061	WU61	I-234
09306200	WU00	I-240
09306222	WU62	I-246
09306255	WU55	I-252

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09304800 - WHITE RIVER BELOW MEEKER, CO.

PROCESS DATE 12/01/82
DISTRICT CODE 08

WATER QUALITY DATA

DATE	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	BORON, DIS-SOLVED (UG/L AS B) (01020)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)
SEP , 1981												
11...	191	--	--	--	--	233	--	--	--	--	85	0
15...	173	--	--	--	--	202	--	--	--	--	78	4
25...	159	--	--	--	--	185	--	--	--	--	78	4
OCT												
02...	--	--	--	--	--	--	--	20	--	--	77	--
28...	--	--	--	--	--	--	--	20	--	--	71	--
DEC												
07...	--	--	--	--	--	--	--	20	--	--	71	--
JAN , 1982												
20...	--	--	--	--	--	--	--	20	--	--	68	--
FEB												
17...	--	--	--	--	--	--	--	20	--	--	68	--
MAR												
23...	--	--	--	--	--	--	--	30	--	--	76	--
APR												
23...	--	--	--	--	--	--	--	20	--	--	62	--
JUN												
09...	--	--	--	--	--	--	--	10	--	--	39	--
AUG												
04...	--	--	--	--	--	--	--	30	--	--	62	--
SEP												
22...	--	--	--	--	--	--	--	140	--	--	65	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09304800 - WHITE RIVER BELOW MEEKER, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	CYANIDE DIS- SOLVED (MG/L AS CN) (00723)	STREP- TOCOCCI FECAL, (COLS. PER 100 ML) (31679)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)
SEP , 1981											
11...	--	33	--	--	--	--	--	--	--	--	--
15...	--	29	--	--	--	--	--	--	--	--	--
25...	--	28	--	--	--	--	--	--	--	--	--
OCT											
02...	--	23	--	--	--	--	--	--	.2	10	--
28...	--	24	--	--	--	--	--	--	.2	17	--
DEC											
07...	--	20	--	--	--	--	--	--	.2	<10	--
JAN , 1982											
20...	--	20	--	--	--	--	--	--	.3	<10	--
FEB											
17...	--	17	--	--	--	--	--	--	.2	18	--
MAR											
23...	--	17	--	--	--	--	--	--	.2	6	--
APR											
23...	--	16	--	--	--	--	--	--	.2	13	--
JUN											
09...	--	3.7	--	--	--	--	--	--	.2	35	--
AUG											
04...	--	9.3	--	--	--	--	--	--	.2	29	--
SEP											
22...	--	10	--	--	--	--	--	--	.8	18	--

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WATER QUALITY DATA

DATE	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	OIL AND GREASE (MG/L) (00550)	CARBON, INORG + ORGANIC DIS- SOLVED (MG/L AS C) (00682)	CARBON, INOR- GANIC, DIS- SOLVED (MG/L AS C) (00691)
SEP , 1981											
11...	--	24	--	--	--	--	--	--	--	--	--
15...	--	22	--	--	--	--	--	--	--	--	--
25...	--	21	--	--	--	--	--	--	--	--	--
OCT											
02...	--	22	--	--	--	--	--	--	--	--	--
28...	--	20	--	--	--	--	--	--	--	--	--
DEC											
07...	--	19	--	--	--	--	--	--	--	--	--
JAN , 1982											
20...	--	18	--	--	--	--	--	--	--	--	--
FEB											
17...	--	18	--	--	--	--	--	--	--	--	--
MAR											
23...	--	22	--	--	--	--	--	--	--	--	--
APR											
23...	--	16	--	--	--	--	--	--	--	--	--
JUN											
09...	--	11	--	--	--	--	--	--	--	--	--
AUG											
04...	--	18	--	--	--	--	--	--	--	--	--
SEP											
22...	--	17	--	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
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WATER QUALITY DATA

DATE	CARBON, TOTAL (MG/L AS C) (00690)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR-DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	TOX-APHENE, TOTAL (UG/L) (39400)
SEP , 1981											
11...	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
02...	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--
DEC											
07...	--	--	--	--	--	--	--	--	--	--	--
JAN , 1982											
20...	--	--	--	--	--	--	--	--	--	--	--
FEB											
17...	--	--	--	--	--	--	--	--	--	--	--
MAR											
23...	--	--	--	--	--	--	--	--	--	--	--
APR											
23...	--	--	--	--	--	--	--	--	--	--	--
JUN											
09...	--	--	--	--	--	--	--	--	--	--	--
AUG											
04...	--	--	--	--	--	--	--	--	--	--	--
SEP											
22...	--	--	--	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
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WATER QUALITY DATA

DATE	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	PCB, TOTAL (UG/L) (39516)	MALA-THION, TOTAL (UG/L) (39530)	PARA-THION, TOTAL (UG/L) (39540)	DI-AZINON, TOTAL (UG/L) (39570)	METHYL PARA-THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	PHENOLS (UG/L) (32730)
SEP , 1981											
11...	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
02...	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--
DEC											
07...	--	--	--	--	--	--	--	--	--	--	--
JAN , 1982											
20...	--	--	--	--	--	--	--	--	--	--	--
FEB											
17...	--	--	--	--	--	--	--	--	--	--	--
MAR											
23...	--	--	--	--	--	--	--	--	--	--	--
APR											
23...	--	--	--	--	--	--	--	--	--	--	--
JUN											
09...	--	--	--	--	--	--	--	--	--	--	--
AUG											
04...	--	--	--	--	--	--	--	--	--	--	--
SEP											
22...	--	--	--	--	--	--	--	--	--	--	--

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WATER QUALITY DATA

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SULFIDE DIS- SOLVED (MG/L AS S) (00746)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT) (01516)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)
SEP , 1981											
11...	3.0	--	--	38	--	--	156	--	--	--	--
15...	2.0	--	--	33	--	--	151	--	--	--	--
25...	2.0	--	--	31	--	--	142	--	--	--	--
OCT											
02...	1.4	--	14	29	413	--	150	--	--	--	--
28...	1.6	--	14	32	387	--	140	--	--	--	--
DEC											
07...	1.3	--	14	26	366	--	130	--	--	--	--
JAN , 1982											
20...	1.3	--	16	26	368	--	140	--	--	--	--
FEB											
17...	2.7	--	15	28	367	--	140	--	--	--	--
MAR											
23...	1.4	--	15	27	419	--	170	--	--	--	--
APR											
23...	1.6	--	13	19	316	--	110	--	--	--	--
JUN											
09...	1.0	--	12	9.5	180	--	40	--	--	--	--
AUG											
04...	1.3	--	17	17	319	--	99	--	--	--	--
SEP											
22...	1.2	--	14	16	321	--	110	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
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WATER QUALITY DATA

DATE	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	BORON, DIS-SOLVED (UG/L AS B) (01020)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)
SEP , 1981												
15...	470	--	.080	2	--	570	--	230	--	--	69	--
25...	517	--	--	--	--	630	--	--	--	--	--	--
OCT												
19...	--	10	<.060	2	100	--	--	220	.00	<1	75	--
NOV												
24...	--	--	.210	2	--	--	--	210	--	--	72	--
DEC												
30...	--	--	.140	2	--	--	--	200	--	--	65	--
MAR , 1982												
24...	--	--	.130	3	--	--	--	210	--	--	66	--
MAY												
19...	--	10	.150	3	110	--	--	180	.03	<3	77	--
JUN												
09...	--	--	.060	2	--	--	--	220	--	--	76	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
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WATER QUALITY DATA

DATE	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	CYANIDE DIS-SOLVED (MG/L AS CN) (00723)	STREP-TOCOCCI FECAL, (COLS. PER 100 ML) (31679)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
SEP , 1981											
15...	--	14	--	--	--	--	--	--	1.0	13	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	30	10	0	--	K48	2	--	--	1.0	17	3
NOV											
24...	--	14	--	--	--	--	--	--	.9	11	--
DEC											
30...	--	17	--	--	--	--	--	--	1.0	11	--
MAR , 1982											
24...	--	11	--	--	--	--	--	--	1.0	7	--
MAY											
19...	32	11	<10	--	--	4	--	--	.8	12	2
JUN											
09...	--	14	--	--	--	--	--	--	.9	29	--

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WATER QUALITY DATA

DATE	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	OIL AND GREASE (MG/L) (00550)	CARBON, INORG + ORGANIC DIS- SOLVED (MG/L AS C) (00682)	CARBON, INOR- GANIC, DIS- SOLVED (MG/L AS C) (00691)
SEP , 1981											
15...	--	53	200	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	16	55	200	.0	.00	20	--	--	--	--	--
NOV											
24...	--	48	85	--	--	--	--	--	--	--	--
DEC											
30...	--	45	59	--	--	--	--	--	--	--	--
MAR , 1982											
24...	--	43	62	--	--	--	--	--	--	--	--
MAY											
19...	19	46	130	<.1	--	8	--	--	--	--	--
JUN											
09...	--	51	210	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
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WATER QUALITY DATA

DATE	CARBON, TOTAL (MG/L AS C) (00690)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	TOX- APHENE, TOTAL (UG/L) (39400)
SEP , 1981											
15...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	--	--	--	--	--	--	--	--	--	--	--
NOV											
24...	--	--	--	--	--	--	--	--	--	--	--
DEC											
30...	--	--	--	--	--	--	--	--	--	--	--
MAR , 1982											
24...	--	--	--	--	--	--	--	--	--	--	--
MAY											
19...	--	--	--	--	--	--	--	--	--	--	--
JUN											
09...	--	--	--	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306007 - PICEANCE CREEK BELOW RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	PCB, TOTAL (UG/L) (39516)	MALA-THION, TOTAL (UG/L) (39530)	PARA-THION, TOTAL (UG/L) (39540)	DI-AZINON, TOTAL (UG/L) (39570)	METHYL PARA-THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	PHENOLS (UG/L) (32730)
SEP , 1981											
15...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	--	--	--	--	--	--	--	--	--	--	--
NOV											
24...	--	--	--	--	--	--	--	--	--	--	1
DEC											
30...	--	--	--	--	--	--	--	--	--	--	--
MAR , 1982											
24...	--	--	--	--	--	--	--	--	--	--	1
MAY											
19...	--	--	--	--	--	--	--	--	--	--	<1
JUN											
09...	--	--	--	--	--	--	--	--	--	--	1

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306007 - PICEANCE CREEK BELOW RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	SULFIDE DISSOLVED (MG/L AS S) (00746)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT) (01516)	GROSS BETA, DISSOLVED (PCI/L AS CS-137) (03515)
SEP , 1981											
15...	3.2	--	16	140	798	--	220	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	3.5	0	17	160	822	1700	210	--	12	--	<9.4
NOV											
24...	2.2	--	15	130	707	--	170	--	--	--	--
DEC											
30...	2.2	--	16	120	671	--	150	--	--	--	--
MAR , 1982											
24...	2.3	--	15	110	634	1400	160	--	--	--	--
MAY											
19...	4.2	1	17	120	718	1400	180	--	<12	5.6	13
JUN											
09...	3.3	--	15	140	780	1600	180	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306022 - STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	BORON, DIS-SOLVED (UG/L AS B) (01020)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)
SEP , 1981 15...	410	--	.090	1	--	500	--	70	--	--	87	--
OCT 19...	--	20	<.060	1	45	--	--	70	.10	<1	86	--
NOV 24...	--	--	.170	1	--	--	--	80	--	--	90	--
DEC 30...	--	--	.090	<1	--	--	--	90	--	--	88	--
MAY , 1982 19...	--	<10	.070	1	49	--	--	80	.05	<3	90	--
SEP 21...	--	--	<.060	1	--	--	--	210	--	--	89	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306022 - STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	CYANIDE DIS-SOLVED (MG/L AS CN) (00723)	STREP-TOCOCCI FECAL, (COLS. PER 100 ML) (31679)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
SEP , 1981											
15...	--	12	--	--	--	--	--	--	.5	<10	--
OCT											
19...	21	6.4	0	--	180	0	--	--	.3	<10	1
NOV											
24...	--	6.3	--	--	--	--	--	--	.2	<10	--
DEC											
30...	--	6.6	--	--	--	--	--	--	.3	<10	--
MAY , 1982											
19...	15	6.3	<10	--	--	2	--	--	.3	<9	<1
SEP											
21...	--	6.4	--	--	--	--	--	--	.3	4	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306022 - STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3) (71851)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2) (71856)	OIL AND GREASE (MG/L) (00550)	CARBON, INORG + ORGANIC DIS-SOLVED (MG/L AS C) (00682)	CARBON, INOR-GANIC, DIS-SOLVED (MG/L AS C) (00691)
SEP , 1981											
15...	--	71	2	--	--	--	--	--	--	--	--
OCT											
19...	16	71	1	.0	.00	<10	--	--	--	--	--
NOV											
24...	--	74	1	--	--	--	--	--	--	--	--
DEC											
30...	--	73	1	--	--	--	--	--	--	--	--
MAY , 1982											
19...	20	71	3	<.1	--	3	--	--	--	--	--
SEP											
21...	--	73	3	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306022 - STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	CARBON, TOTAL (MG/L AS C) (00690)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR-DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	TOX-APHENE, TOTAL (UG/L) (39400)
SEP , 1981											
15...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	--	--	--	--	--	--	--	--	--	--	--
NOV											
24...	--	--	--	--	--	--	--	--	--	--	--
DEC											
30...	--	--	--	--	--	--	--	--	--	--	--
MAY , 1982											
19...	--	--	--	--	--	--	--	--	--	--	--
SEP											
21...	--	--	--	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY   PROCESS DATE 12/01/82
09306022   - STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	PCB, TOTAL (UG/L) (39516)	MALA-THION, TOTAL (UG/L) (39530)	PARA-THION, TOTAL (UG/L) (39540)	DI-AZINON, TOTAL (UG/L) (39570)	METHYL PARA-THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	PHENOLS (UG/L) (32730)
SEP , 1981											
15...	--	--	--	--	--	--	--	--	--	--	1
OCT											
19...	--	--	--	--	--	--	--	--	--	--	3
NOV											
24...	--	--	--	--	--	--	--	--	--	--	--
DEC											
30...	--	--	--	--	--	--	--	--	--	--	--
MAY , 1982											
19...	--	--	--	--	--	--	--	--	--	--	6
SEP											
21...	--	--	--	--	--	--	--	--	--	--	2

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY   PROCESS DATE 12/01/82
09306022   - STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SULFIDE DIS- SOLVED (MG/L AS S) (00746)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT) (01516)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)
SEP , 1981											
15...	1.3	--	16	120	897	--	340	--	--	--	--
OCT											
19...	1.3	0	16	130	926	2800	380	--	7	--	<12
NOV											
24...	1.2	--	16	130	916	--	360	--	--	--	--
DEC											
30...	1.2	--	16	120	911	--	350	--	--	--	--
MAY , 1982											
19...	1.3	<1	16	120	901	2700	350	--	<12	1.4	<12
SEP											
21...	1.3	--	16	120	907	2800	350	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306042 - PICEANCE CREEK TRIBUTARY NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	BORON, DIS-SOLVED (UG/L AS B) (01020)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)
SEP , 1981												
15...	870	--	.330	7	--	1060	--	790	--	--	13	--
JUL , 1982												
28...	--	--	.120	2	--	--	--	710	--	--	10	--
SEP												
21...	--	--	.070	1	--	--	--	1000	--	--	9.2	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 78/07/=8
09306042 - PICEANCE CREEK TRIBUTARY NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	CYANIDE DIS- SOLVED (MG/L AS CN) (00723)	STREP- TOCOCCI FECAL, (COLS. PER 100 ML) (31679)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)
SEP , 1981											
15...	--	12	--	--	--	--	--	--	19	20	--
JUL , 1982											
28...	--	7.6	--	--	--	--	--	--	18	40	--
SEP											
21...	--	8.2	--	--	--	--	--	--	.3	40	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306042 - PICEANCE CREEK TRIBUTARY NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3) (71851)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2) (71856)	OIL AND GREASE (MG/L) (00550)	CARBON, INORG + ORGANIC DIS-SOLVED (MG/L AS C) (00682)	CARBON, INOR-GANIC, DIS-SOLVED (MG/L AS C) (00691)
SEP , 1981											
15...	--	7.2	0	--	--	--	--	--	--	--	--
JUL , 1982											
28...	--	6.1	10	--	--	--	4.3	.07	--	--	--
SEP											
21...	--	6.2	10	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306042 - PICEANCE CREEK TRIBUTARY NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	CARBON, TOTAL (MG/L AS C) (00690)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	TOX- APHENE, TOTAL (UG/L) (39400)
SEP , 1981											
15...	--	--	--	--	--	--	--	--	--	--	--
JUL , 1982											
28...	--	--	--	--	--	--	--	--	--	--	--
SEP											
21...	--	--	--	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306042 - PICEANCE CREEK TRIBUTARY NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	PCH, TOTAL (UG/L) (39516)	MALA-THION, TOTAL (UG/L) (39530)	PARA-THION, TOTAL (UG/L) (39540)	DI-AZINON, TOTAL (UG/L) (39570)	METHYL PARA-THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	PHENOLS (UG/L) (32730)
SEP , 1981											
15...	--	--	--	--	--	--	--	--	--	--	0
JUL , 1982											
28...	--	--	--	--	--	--	--	--	--	--	3
SEP											
21...	--	--	--	--	--	--	--	--	--	--	<1

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306042 - PICEANCE CREEK TRIBUTARY NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SULFIDE DIS-SOLVED (MG/L AS S) (00746)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT) (01516)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137) (03515)
SEP , 1981											
15...	3.7	--	35	510	1400	--	260	--	--	--	--
JUL , 1982											
28...	1.9	--	15	480	1240	880	80	--	--	--	--
SEP											
21...	1.7	--	15	560	1340	900	21	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306058 - WILLOW CREEK NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	BORON, DIS-SOLVED (UG/L AS B) (01020)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)
SEP , 1981												
15...	370	--	.080	1	--	450	--	100	--	--	80	--
25...	443	--	--	--	--	540	--	--	--	--	--	--
OCT												
19...	--	20	<.060	1	53	--	--	90	.00	<1	85	--
NOV												
24...	--	--	.160	1	--	--	--	100	--	--	89	--
DEC												
30...	--	--	.090	1	--	--	--	100	--	--	90	--
MAY , 1982												
19...	--	10	.080	1	56	--	--	110	.01	<3	62	--
SEP												
21...	--	--	.060	1	--	--	--	240	--	--	90	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306058 - WILLOW CREEK NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	CYANIDE DIS- SOLVED (MG/L AS CN) (00723)	STREP- TOCOCCI FECAL, (COLS. PER 100 ML) (31679)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)
SEP , 1981											
15...	--	11	--	--	--	--	--	--	.4	11	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	24	12	0	--	K40	1	--	--	.4	<10	2
NOV											
24...	--	11	--	--	--	--	--	--	.3	24	--
DEC											
30...	--	11	--	--	--	--	--	--	.4	19	--
MAY , 1982											
19...	18	11	<10	--	--	4	--	--	.4	<9	2
SEP											
21...	--	12	--	--	--	--	--	--	.2	4	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306058 - WILLOW CREEK NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	OIL AND GREASE (MG/L) (00550)	CARBON, INORG + ORGANIC DIS- SOLVED (MG/L AS C) (00682)	CARBON, INOR- GANIC, DIS- SOLVED (MG/L AS C) (00691)
SEP , 1981											
15...	--	68	3	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	15	71	1	.0	.00	<10	--	--	--	--	--
NOV											
24...	--	73	3	--	--	--	--	--	--	--	--
DEC											
30...	--	69	5	--	--	--	--	--	--	--	--
MAY , 1982											
19...	18	66	3	<.1	--	9	--	--	--	--	--
SEP											
21...	--	72	3	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306058 - WILLOW CREEK NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	CARBON, TOTAL (MG/L AS C) (00690)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR-DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	TOX-APHENE, TOTAL (UG/L) (39400)
SEP , 1981											
15...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	--	--	--	--	--	--	--	--	--	--	--
NOV											
24...	--	--	--	--	--	--	--	--	--	--	--
DEC											
30...	--	--	--	--	--	--	--	--	--	--	--
MAY , 1982											
19...	--	--	--	--	--	--	--	--	--	--	--
SEP											
21...	--	--	--	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306058 - WILLOW CREEK NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	PCB, TOTAL (UG/L) (39516)	MALA-THION, TOTAL (UG/L) (39530)	PARA-THION, TOTAL (UG/L) (39540)	DI-AZINON, TOTAL (UG/L) (39570)	METHYL PARA-THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	PHENOLS (UG/L) (32730)
SEP , 1981											
15...	--	--	--	--	--	--	--	--	--	--	1
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	--	--	--	--	--	--	--	--	--	--	1
NOV											
24...	--	--	--	--	--	--	--	--	--	--	--
DEC											
30...	--	--	--	--	--	--	--	--	--	--	--
MAY , 1982											
19...	--	--	--	--	--	--	--	--	--	--	1
SEP											
21...	--	--	--	--	--	--	--	--	--	--	4

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306058 - WILLOW CREEK NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	SULFIDE DISSOLVED (MG/L AS S) (00746)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT) (01516)	GROSS BETA, DISSOLVED (PCI/L AS CS-137) (03515)
SEP , 1981											
15...	1.2	--	16	110	809	--	300	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	1.4	1	16	130	888	2900	340	--	9	--	<8.6
NOV											
24...	1.5	--	15	120	864	--	330	--	--	--	--
DEC											
30...	1.4	--	16	120	856	--	300	--	--	--	--
MAY , 1982											
19...	2.3	1	8.0	110	777	2400	310	--	<12	--	<11
SEP											
21...	1.6	--	17	120	859	3200	320	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306061 - PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	BORON, DIS-SOLVED (UG/L AS B) (01020)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)
SEP , 1981												
15...	500	--	.100	2	--	610	--	240	--	--	76	--
25...	574	--	--	--	--	700	--	--	--	--	--	--
OCT												
19...	--	20	.090	3	74	--	--	240	.10	<1	76	--
NOV												
24...	--	--	.210	2	--	--	--	200	--	--	81	--
DEC												
30...	--	--	.100	2	--	--	--	180	--	--	67	--
MAR , 1982												
24...	--	--	.090	3	--	--	--	170	--	--	75	--
MAY												
19...	--	30	.110	3	83	--	--	240	.04	<3	79	--
JUN												
09...	--	--	.070	3	--	--	--	230	--	--	80	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306061 - PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	CYANIDE DIS-SOLVED (MG/L AS CN) (00723)	STREP-TOCOCCI FECAL, (COLS. PER 100 ML) (31679)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
SEP , 1981											
15...	--	16	--	--	--	--	--	--	.8	19	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	25	15	0	--	K23	2	--	--	.8	16	3
NOV											
24...	--	11	--	--	--	--	--	--	.6	15	--
DEC											
30...	--	10	--	--	--	--	--	--	.8	16	--
MAR , 1982											
24...	--	12	--	--	--	--	--	--	.7	9	--
MAY											
19...	31	13	<10	--	--	6	--	--	.9	13	2
JUN											
09...	--	14	--	--	--	--	--	--	.9	19	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306061 - PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	OIL AND GREASE (MG/L) (00550)	CARBON, INORG + ORGANIC DIS- SOLVED (MG/L AS C) (00682)	CARBON, INOR- GANIC, DIS- SOLVED (MG/L AS C) (00691)
SEP , 1981											
15...	--	74	100	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	15	73	130	.0	.00	20	--	--	--	--	--
NOV											
24...	--	65	72	--	--	--	--	--	--	--	--
DEC											
30...	--	63	50	--	--	--	--	--	--	--	--
MAR , 1982											
24...	--	59	34	--	--	--	--	--	--	--	--
MAY											
19...	19	71	170	<.1	--	12	--	--	--	--	--
JUN											
09...	--	78	190	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306061 - PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO. DISTRICT CODE 08.

WATER QUALITY DATA

DATE	CARBON, TOTAL (MG/L AS C) (00690)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR-DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	TOX-APHENE, TOTAL (UG/L) (39400)
SEP , 1981											
15...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	--	--	--	--	--	--	--	--	--	--	--
NOV											
24...	--	--	--	--	--	--	--	--	--	--	--
DEC											
30...	--	--	--	--	--	--	--	--	--	--	--
MAR , 1982											
24...	--	--	--	--	--	--	--	--	--	--	--
MAY											
19...	--	--	--	--	--	--	--	--	--	--	--
JUN											
09...	--	--	--	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306061 - PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	PCB, TOTAL (UG/L) (39516)	MALA-THION, TOTAL (UG/L) (39530)	PARA-THION, TOTAL (UG/L) (39540)	DI-AZINON, TOTAL (UG/L) (39570)	METHYL PARA-THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	PHENOLS (UG/L) (32730)
SEP , 1981											
15...	--	--	--	--	--	--	--	--	--	--	2
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	--	--	--	--	--	--	--	--	--	--	0
NOV											
24...	--	--	--	--	--	--	--	--	--	--	--
DEC											
30...	--	--	--	--	--	--	--	--	--	--	--
MAR , 1982											
24...	--	--	--	--	--	--	--	--	--	--	1
MAY											
19...	--	--	--	--	--	--	--	--	--	--	2
JUN											
09...	--	--	--	--	--	--	--	--	--	--	2

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306061 - PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SULFIDE DIS-SOLVED (MG/L AS S) (00746)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT) (01516)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137) (03515)
SEP , 1981											
15...	3.7	--	19	170	1010	--	350	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	3.5	1	18	180	1050	2500	350	--	8	--	<12
NOV											
24...	2.7	--	16	150	890	--	290	--	--	--	--
DEC											
30...	2.3	--	17	140	823	--	250	--	--	--	--
MAR , 1982											
24...	.7	--	16	120	764	2100	260	--	--	--	--
MAY											
19...	4.4	1	17	180	1050	2300	340	--	20	.7	<15
JUN											
09...	3.3	--	17	190	1070	2500	340	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306200 - PICEANCE CREEK BL RYAN GULCH, NR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	ALKA- LINITY FIELD (MG/L AS CACO3) (00410)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BICAR- BONATE FET-FLD (MG/L AS HCO3) (00440)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	BORON, DIS- SOLVED (UG/L AS B) (01020)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	CAR- BONATE FET-FLD (MG/L AS CO3) (00445)
SEP , 1981												
08...	650	--	--	4	100	790	--	300	--	<1	79	--
25...	730	--	--	--	--	890	--	--	--	--	--	--
DEC												
02...	--	--	--	2	77	--	--	200	--	<1	77	--
MAR , 1982												
24...	--	--	--	--	--	--	--	170	--	--	71	--
APR												
14...	--	--	.100	--	--	--	--	150	--	--	75	--
MAY												
24...	--	--	.060	3	91	--	--	260	--	--	82	--
JUN												
09...	--	--	.090	--	--	--	--	280	--	--	77	--
JUL												
29...	--	--	.190	--	--	--	--	250	--	--	88	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306200 - PICEANCE CREEK BL RYAN GULCH, NR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	CYANIDE DIS-SOLVED (MG/L AS CN) (00723)	STREP-TOCOCCI FECAL, (COLS. PER 100 ML) (31679)	FLUO-RIDE, DIS-SOLVED (MG/L AS.F) (00950)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
SEP , 1981											
08...	--	17	--	--	--	4	--	--	.9	28	10
25...	--	--	--	--	--	--	--	--	--	--	--
DEC											
02...	--	15	--	--	--	<1	--	--	.8	12	1
MAR , 1982											
24...	--	14	--	--	--	--	--	--	.6	--	--
APR											
14...	--	16	--	--	--	--	--	--	.7	--	--
MAY											
24...	--	18	--	--	--	--	--	--	.8	37	--
JUN											
09...	--	21	--	--	--	--	--	--	1.0	--	--
JUL											
29...	--	18	--	--	--	--	--	--	.9	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306200 - PICEANCE CREEK BL RYAN GULCH, NR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	OIL AND GREASE (MG/L) (00550)	CARBON, INORG + ORGANIC DIS- SOLVED (MG/L AS C) (00682)	CARBON, INOR- GANIC, DIS- SOLVED (MG/L AS C) (00691)
SEP , 1981											
08...	16	110	140	.0	.10	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
DEC											
02...	16	71	54	<.1	.00	--	--	--	--	--	--
MAR , 1982											
24...	--	67	--	--	--	--	--	--	--	--	--
APR											
14...	--	70	--	--	--	--	--	--	--	--	--
MAY											
24...	29	100	160	--	--	4	--	--	--	--	--
JUN											
09...	--	110	--	--	--	--	--	--	--	--	--
JUL											
29...	--	83	--	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306200 - PICEANCE CREEK BL RYAN GULCH, NR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	CARBON, TOTAL (MG/L AS C) (00690)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR-DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	TOX-APHENE, TOTAL (UG/L) (39400)
SEP , 1981											
08...	--	.12	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
DEC											
02...	--	.18	--	--	--	--	--	--	--	--	--
MAR , 1982											
24...	--	--	--	--	--	--	--	--	--	--	--
APR											
14...	--	.06	--	--	--	--	--	--	--	--	--
MAY											
24...	--	.25	--	--	--	--	--	--	--	--	--
JUN											
09...	--	.34	--	--	--	--	--	--	--	--	--
JUL											
29...	--	.31	--	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306200 - PICEANCE CREEK BL RYAN GULCH, NR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	PCB, TOTAL (UG/L) (39516)	MALA-THION, TOTAL (UG/L) (39530)	PARA-THION, TOTAL (UG/L) (39540)	DI-AZINON, TOTAL (UG/L) (39570)	METHYL PARA-THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	PHENOLS (UG/L) (32730)
SEP , 1981											
08...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
DEC											
02...	--	--	--	--	--	--	--	--	--	--	--
MAR , 1982											
24...	--	--	--	--	--	--	--	--	--	--	--
APR											
14...	--	--	--	--	--	--	--	--	--	--	--
MAY											
24...	--	--	--	--	--	--	--	--	--	--	--
JUN											
09...	--	--	--	--	--	--	--	--	--	--	--
JUL											
29...	--	--	--	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
09306200 - PICEANCE CREEK BL RYAN GULCH, NR RIO BLANCO, CO. DISTRICT CODE 08

WATER QUALITY DATA

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SULFIDE DIS-SOLVED (MG/L AS S) (00746)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT) (01516)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137) (03515)
SEP , 1981											
08...	3.8	1	19	250	1350	4000	480	--	4	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
DEC											
02...	2.5	1	17	160	978	2800	340	--	27	--	--
MAR , 1982											
24...	2.3	--	15	140	873	2600	350	--	--	--	--
APR											
14...	2.5	--	15	140	934	2700	400	--	--	--	--
MAY											
24...	4.8	--	19	240	1360	3700	490	--	<12	--	--
JUN											
09...	3.8	--	19	270	1420	3000	490	--	--	--	--
JUL											
29...	5.7	--	19	210	1140	3000	420	--	--	--	--

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WATER QUALITY DATA

DATE	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	BORON, DIS-SOLVED (UG/L AS B) (01020)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)
SEP , 1981												
08...	1370	--	--	7	200	1670	--	730	--	0	53	--
25...	1330	--	--	--	--	1620	--	--	--	--	--	--
DEC												
02...	--	--	--	3	100	--	--	330	--	<1	82	--
MAR , 1982												
24...	--	--	--	--	--	--	--	250	--	--	66	--
APR												
14...	--	--	.130	--	--	--	--	250	--	--	57	--
MAY												
24...	--	--	<.060	4	100	--	--	730	--	--	44	--
JUN												
09...	--	--	.090	--	--	--	--	950	--	--	45	--
AUG												
04...	--	--	.170	--	--	--	--	370	--	--	59	--

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WATER QUALITY DATA

DATE	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	CYANIDE DIS-SOLVED (MG/L AS CN) (00723)	STREP-TOCOCCI FECAL, (COLS. PER 100 ML) (31679)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
SEP , 1981											
08...	--	160	--	--	--	5	--	--	2.1	250	3
25...	--	--	--	--	--	--	--	--	--	--	--
DEC											
02...	--	47	--	--	--	1	--	--	1.1	60	2
MAR , 1982											
24...	--	33	--	--	--	--	--	--	1.0	--	--
APR											
14...	--	39	--	--	--	--	--	--	1.1	--	--
MAY											
24...	--	160	--	--	--	--	--	--	.5	40	--
JUN											
09...	--	200	--	--	--	--	--	--	19	--	--
AUG											
04...	--	46	--	--	--	--	--	--	1.1	--	--

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WATER QUALITY DATA

DATE	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	OIL AND GREASE (MG/L) (00550)	CARBON, INORG + ORGANIC DIS- SOLVED (MG/L AS C) (00682)	CARBON, INOR- GANIC, DIS- SOLVED (MG/L AS C) (00691)
SEP , 1981											
08...	100	65	20	.0	.10	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
DEC											
02...	40	95	50	<.1	.00	--	--	--	--	--	--
MAR , 1982											
24...	--	74	--	--	--	--	--	--	--	--	--
APR											
14...	--	70	--	--	--	--	--	--	--	--	--
MAY											
24...	110	90	30	--	--	6	--	--	--	--	--
JUN											
09...	--	110	--	--	--	--	--	.07	--	--	--
AUG											
04...	--	92	--	--	--	--	--	--	--	--	--

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WATER QUALITY DATA

DATE	CARBON, TOTAL (MG/L AS C) (00690)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR-DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	TOX-APHENE, TOTAL (UG/L) (39400)
SEP , 1981											
08...	--	1.1	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
DEC											
02...	--	.21	--	--	--	--	--	--	--	--	--
MAR , 1982											
24...	--	--	--	--	--	--	--	--	--	--	--
APR											
14...	--	.18	--	--	--	--	--	--	--	--	--
MAY											
24...	--	.25	--	--	--	--	--	--	--	--	--
JUN											
09...	--	.43	--	--	--	--	--	--	--	--	--
AUG											
04...	--	.25	--	--	--	--	--	--	--	--	--

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WATER QUALITY DATA

DATE	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	PCB, TOTAL (UG/L) (39516)	MALA-THION, TOTAL (UG/L) (39530)	PARA-THION, TOTAL (UG/L) (39540)	DI-AZINON, TOTAL (UG/L) (39570)	METHYL PARA-THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	PHENOLS (UG/L) (32730)
SEP , 1981											
08...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
DEC											
02...	--	--	--	--	--	--	--	--	--	--	--
MAR , 1982											
24...	--	--	--	--	--	--	--	--	--	--	--
APR											
14...	--	--	--	--	--	--	--	--	--	--	--
MAY											
24...	--	--	--	--	--	--	--	--	--	--	--
JUN											
09...	--	--	--	--	--	--	--	--	--	--	--
AUG											
04...	--	--	--	--	--	--	--	--	--	--	--

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WATER QUALITY DATA

DATE	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	SULFIDE DISSOLVED (MG/L AS S) (00746)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT) (01516)	GROSS BETA, DISSOLVED (PCI/L AS CS-137) (03515)
SEP , 1981											
08...	6.9	2	10	810	2440	1300	500	--	10	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
DEC											
02...	3.1	<1	17	330	1480	2700	440	--	10	--	--
MAR , 1982											
24...	2.8	--	16	280	1220	2600	410	--	--	--	--
APR											
14...	2.9	--	14	290	1180	2400	330	--	--	--	--
MAY											
24...	5.4	--	23	950	2870	2000	570	--	10	--	--
JUN											
09...	5.6	--	12	1200	3470	3600	640	--	--	--	--
AUG											
04...	4.9	--	17	400	1580	2800	470	--	--	--	--

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WATER QUALITY DATA

DATE	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BICAR-BONATE FET-FLD (MG/L AS HCO3) (00440)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	BORON, DIS-SOLVED (UG/L AS B) (01020)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CAR-BONATE FET-FLD (MG/L AS CO3) (00445)
OCT , 1981												
21...	--	--	<.060	3	--	--	.7	740	.10	--	33	--
FEB , 1982												
17...	--	--	--	--	--	--	--	460	--	--	35	--
22...	--	--	.250	3	--	--	--	90	<.00	--	11	--
SEP												
22...	--	--	--	--	--	--	--	870	--	--	30	--

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WATER QUALITY DATA

DATE	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	CYANIDE DIS-SOLVED (MG/L AS CN) (00723)	STREP-TOCOCCI FECAL, (COLS. PER 100 ML) (31679)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
OCT , 1981											
21...	46	160	--	--	130	--	--	--	2.4	--	--
FEB , 1982											
17...	--	84	--	--	--	--	--	--	1.7	--	--
22...	210	9.1	--	--	K60000	--	--	--	.3	--	--
SEP											
22...	--	120	--	--	--	--	--	--	.3	--	--

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WATER QUALITY DATA

DATE	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)	MANGANESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	METHYLENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)	MOLYBDENUM, DIS-SOLVED (UG/L AS MO) (01060)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS NO2) (71856)	OIL AND GREASE (MG/L) (00550)	CARBON, INORG + ORGANIC DIS-SOLVED (MG/L AS C) (00682)	CARBON, INOR-GANIC, DIS-SOLVED (MG/L AS C) (00691)
OCT , 1981											
21...	--	120	--	.0	--	--	--	--	--	--	--
FEB , 1982											
17...	--	110	--	--	--	--	--	--	--	--	--
22...	--	11	--	<.1	--	--	--	--	--	--	--
SEP											
22...	--	97	--	--	--	--	--	--	--	--	--

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WATER QUALITY DATA

DATE	CARBON, TOTAL (MG/L AS C) (00690)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	TOX- APHENE, TOTAL (UG/L) (39400)
OCT , 1981											
21...	--	--	.00	.00	.00	.00	.00	.00	.00	.00	0
FEB , 1982											
17...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	.00	.00	.00	.00	.00	.00	.00	.00	0
SEP											
22...	--	--	--	--	--	--	--	--	--	--	--

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WATER QUALITY DATA

DATE	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	PCB, TOTAL (UG/L) (39516)	MALA-THION, TOTAL (UG/L) (39530)	PARA-THION, TOTAL (UG/L) (39540)	DI-AZINON, TOTAL (UG/L) (39570)	METHYL PARA-THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	PHENOLS (UG/L) (32730)
OCT , 1981											
21...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	--
FEB , 1982											
17...	--	--	--	--	--	--	--	--	--	--	--
22...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	5
SEP											
22...	--	--	--	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 12/01/82
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WATER QUALITY DATA

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SULFIDE DIS-SOLVED (MG/L AS S) (00746)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT) (01516)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137) (03515)
OCT , 1981											
21...	4.0	1	<1.9	770	--	--	560	--	--	1.0	<32
FEB , 1982											
17...	4.6	--	15	550	1990	--	520	--	--	--	--
22...	5.0	1	6.6	89	327	--	75	--	--	430	7.8
SEP											
22...	3.2	--	9.2	670	2150	--	490	--	--	--	--

TABLE 2.2.2.1-3

Remark Codes for USGS Water Quality Data

CHARACTER	REMARK
E	Estimated Value
<	Actual value is known to be less than value shown
>	Actual value is known to be greater than value shown
M	Presence of material verified but not quantified
N	Presumptive evidence of presence of material
ND	Material specifically analyzed for but not detected
K	Results based on colony count outside the acceptable range (non-ideal colony count)

TABLE 2.2.2.1-4

Combined Water Years 1980 - 1981

Station 007

Variable	No. of Samples	Mean	Standard Deviation	Minimum Value	Maximum Value	Std. Error of Mean	Sum	Variance	Coefficient of Variation
HCO_3	33	511.212	63.824	330.000	630.000	11.110	16870.000	4073.485	12.485
Ca	17	70.765	4.221	65.000	79.000	1.024	1203.000	17.816	5.965
Mg	17	48.471	3.693	43.000	55.000	0.896	824.000	13.640	7.619
Na	17	132.353	13.477	110.000	160.000	3.269	2250.000	181.618	10.182
SAR	17	3.100	0.337	2.700	3.900	0.082	52.700	0.114	10.880

Station 061

Variable	No. of Samples	Mean	Standard Deviation	Minimum Value	Maximum Value	Std. Error of Mean	Sum	Variance	Coefficient of Variation
HCO_3	33	565.758	86.531	320.000	710.000	15.063	18670.000	7487.689	15.295
Ca	17	69.529	5.444	63.000	81.000	1.320	1182.000	29.640	7.830
Mg	17	62.118	6.936	52.000	74.000	1.682	1056.000	48.110	11.166
Na	17	180.588	25.853	120.000	230.000	6.270	3070.000	668.382	14.316
SAR	17	3.982	0.525	2.900	5.200	0.127	67.700	0.275	13.175

TIME SERIES OF HCO3 AT USGS STATIONS 007 AND 061

WATER YEAR 1980

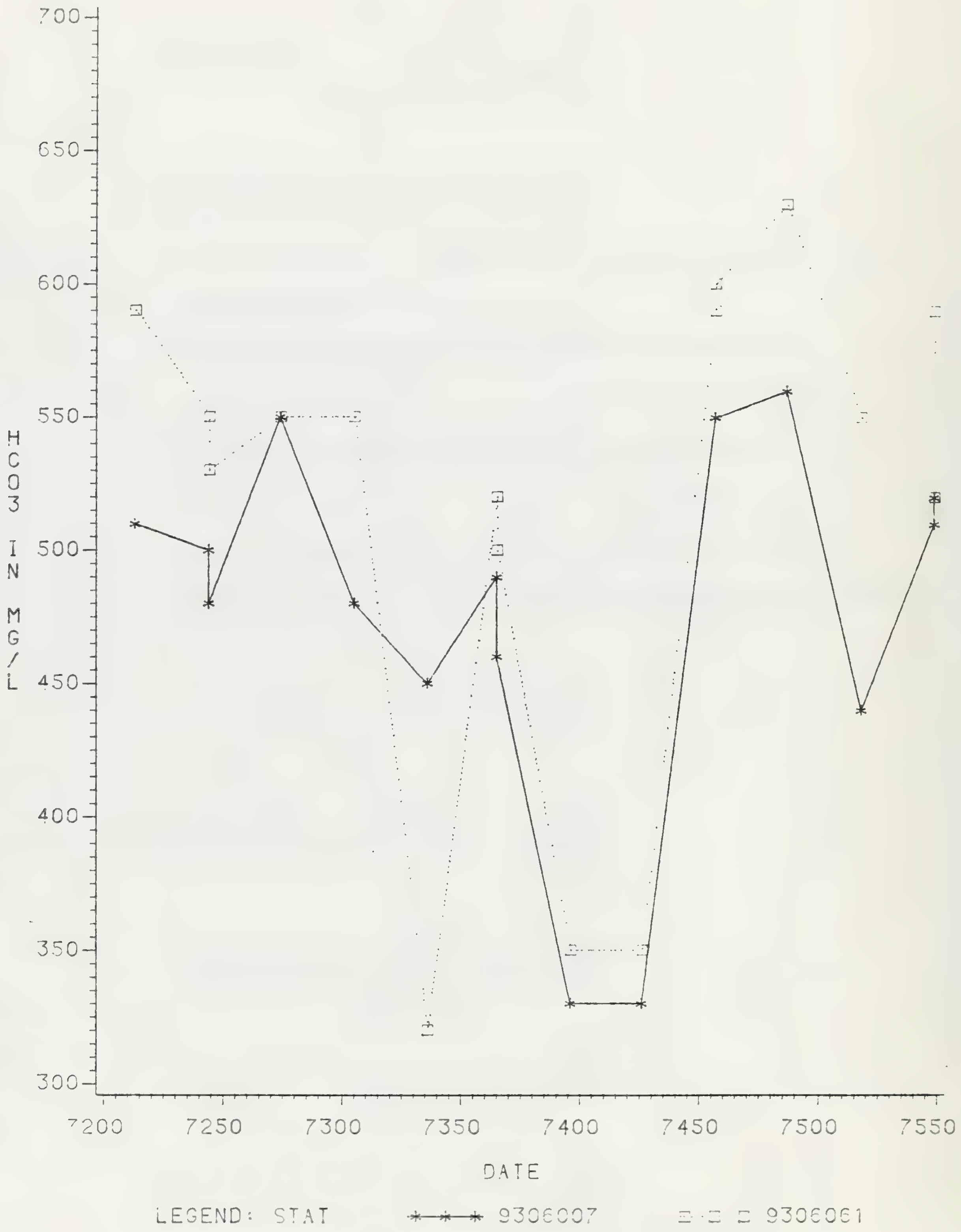


FIGURE 2.2.2.1-1

TIME SERIES OF HCO3 AT STATIONS 007 AND 061

WATER YEAR 1981

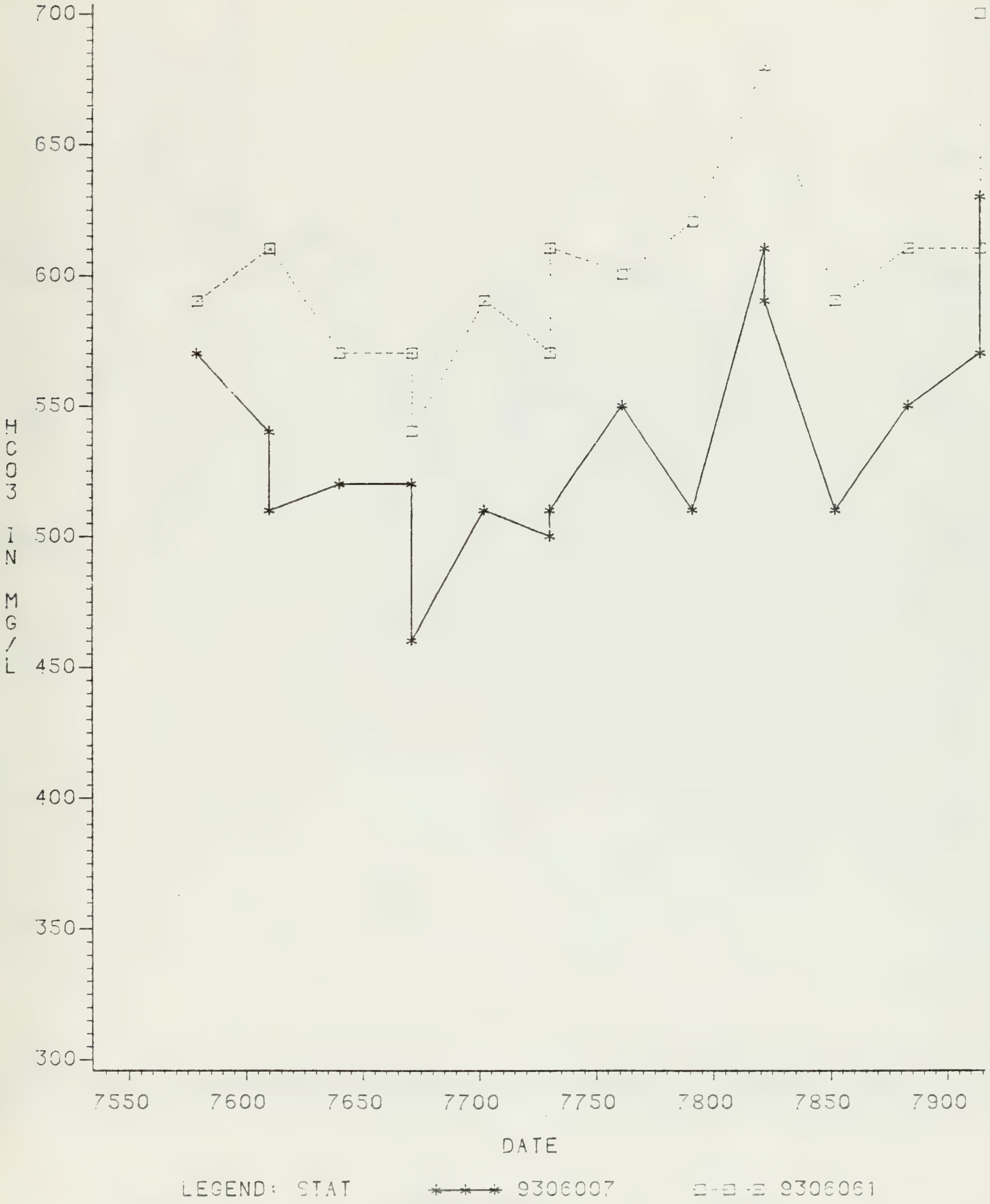
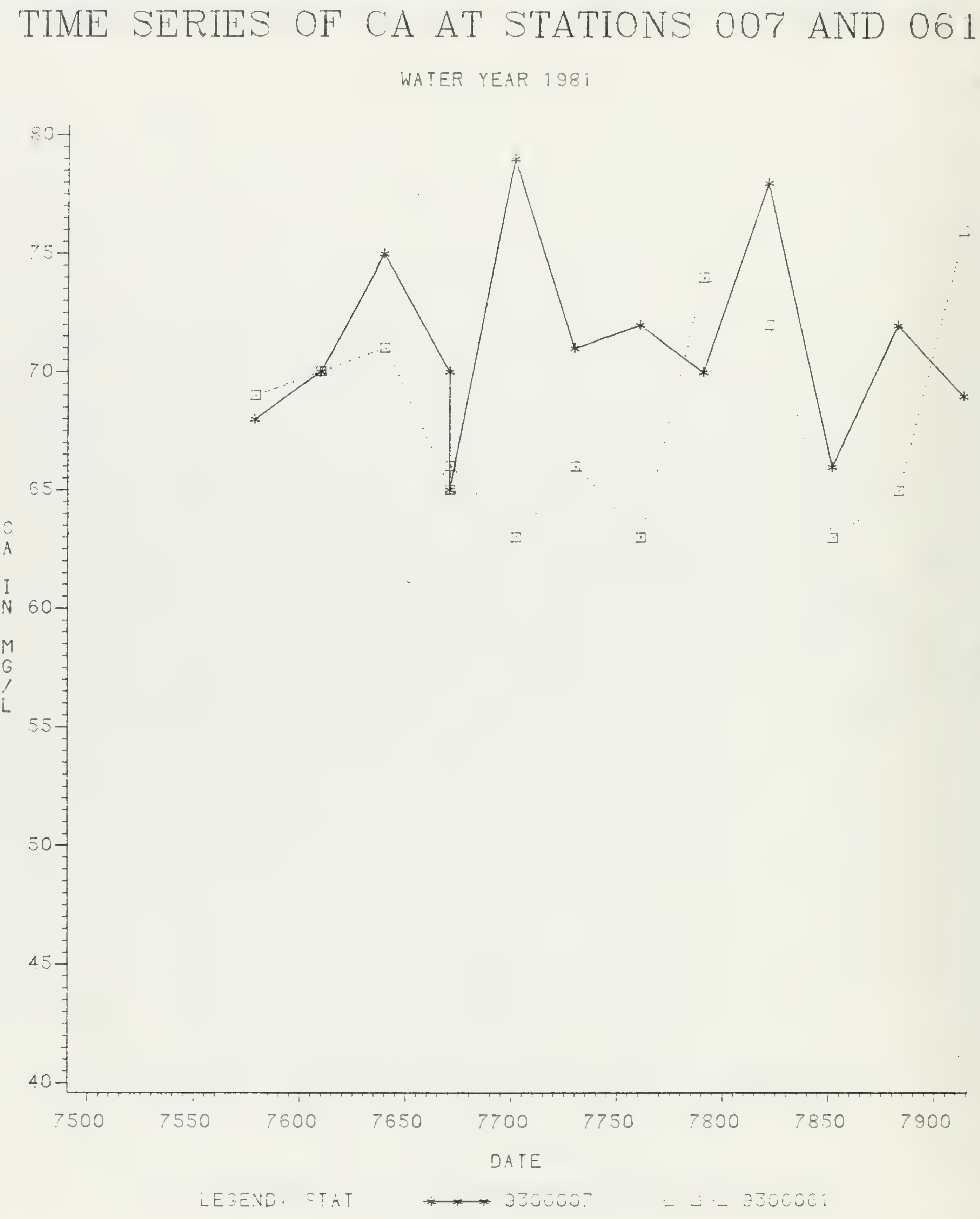


FIGURE 2.2.2.1-2


TIME SERIES OF CA AT STATIONS 007 AND 061

WATER YEAR 1981

FIGURE 2.2.2.1-3

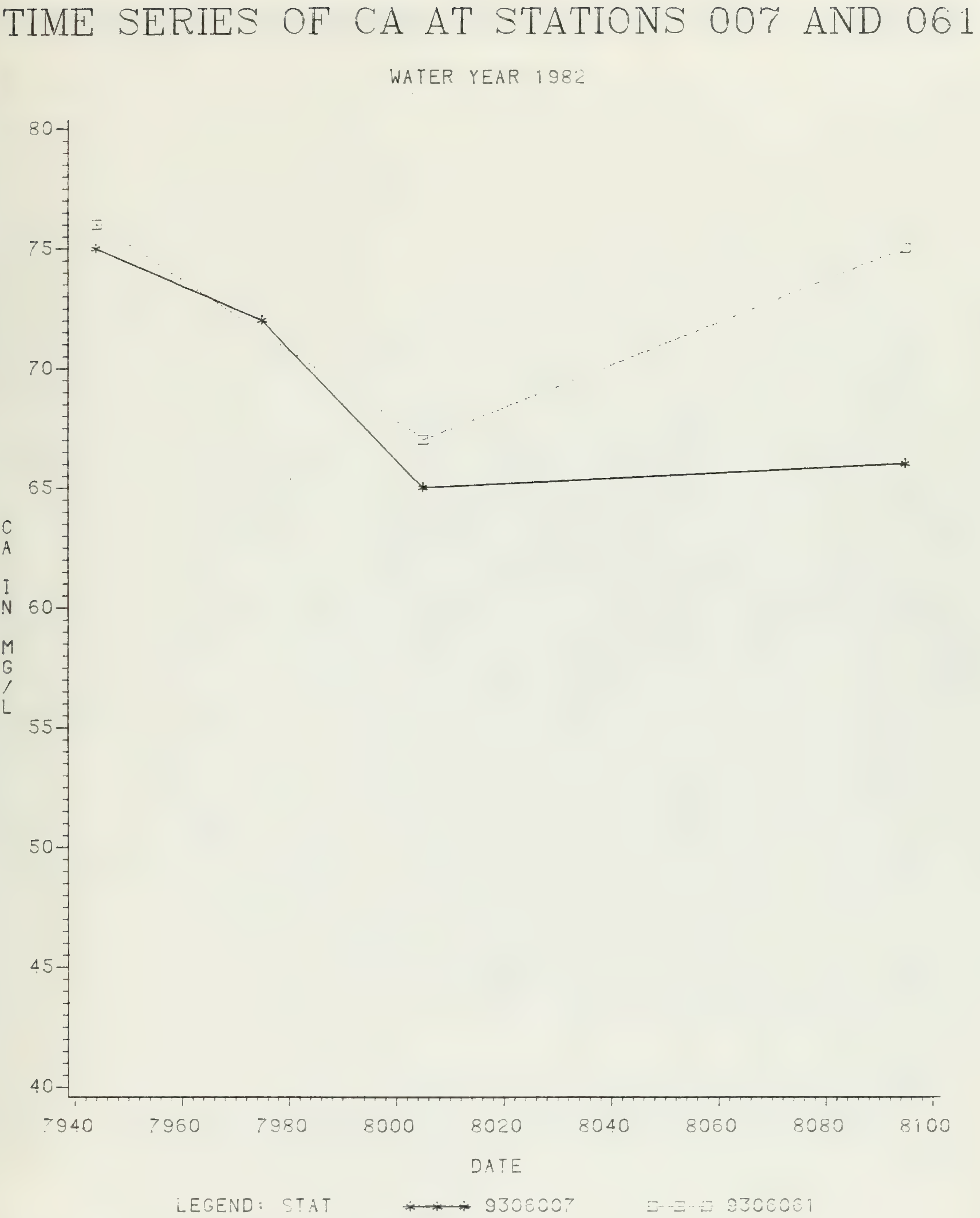


FIGURE 2.2.2.1-4

TIME SERIES OF MG AT STATIONS 007 AND 061

WATER YEAR 1981

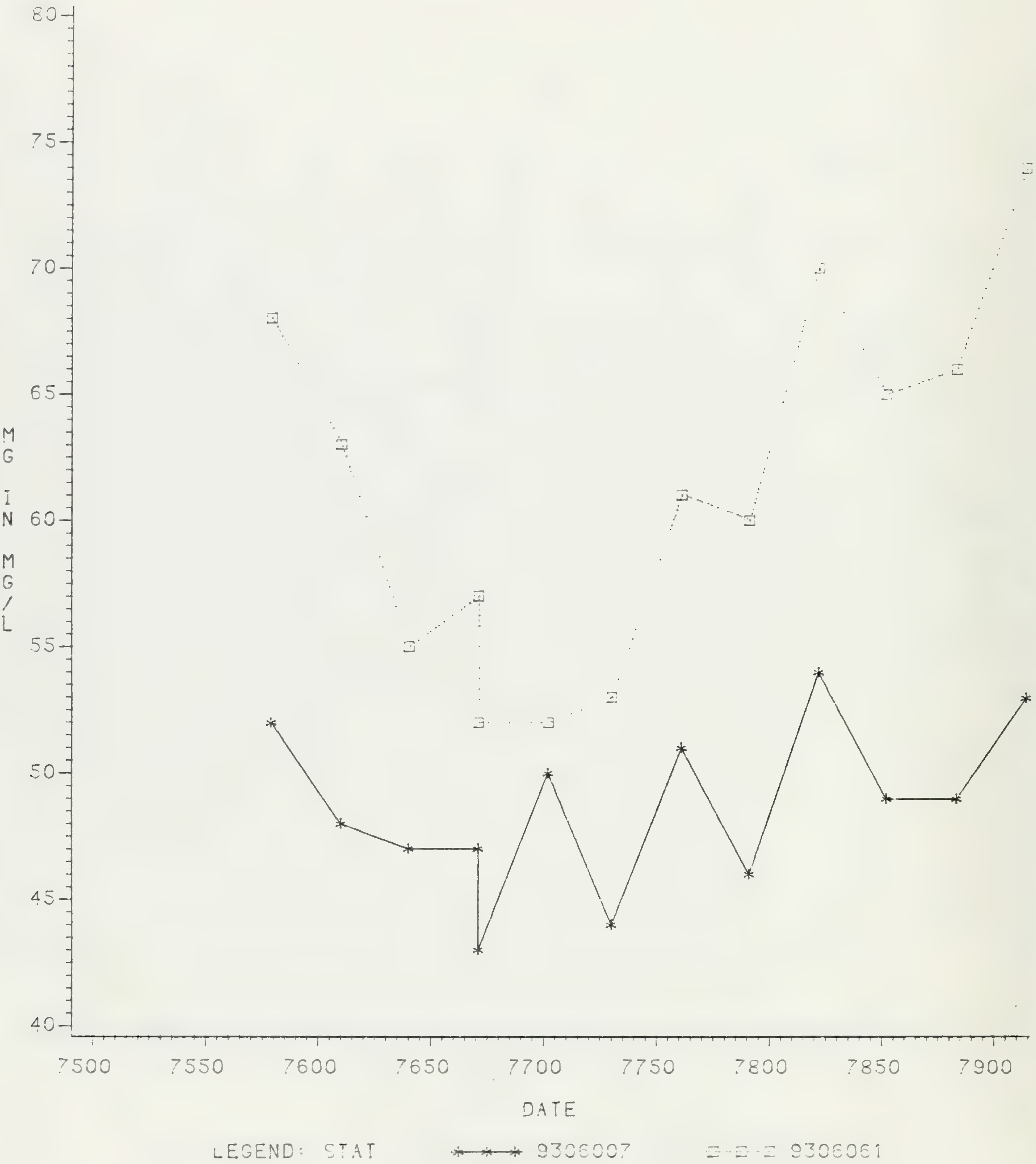


FIGURE 2.2.2.1-5

TIME SERIES OF MG AT STATIONS 007 AND 061

WATER YEAR 1982

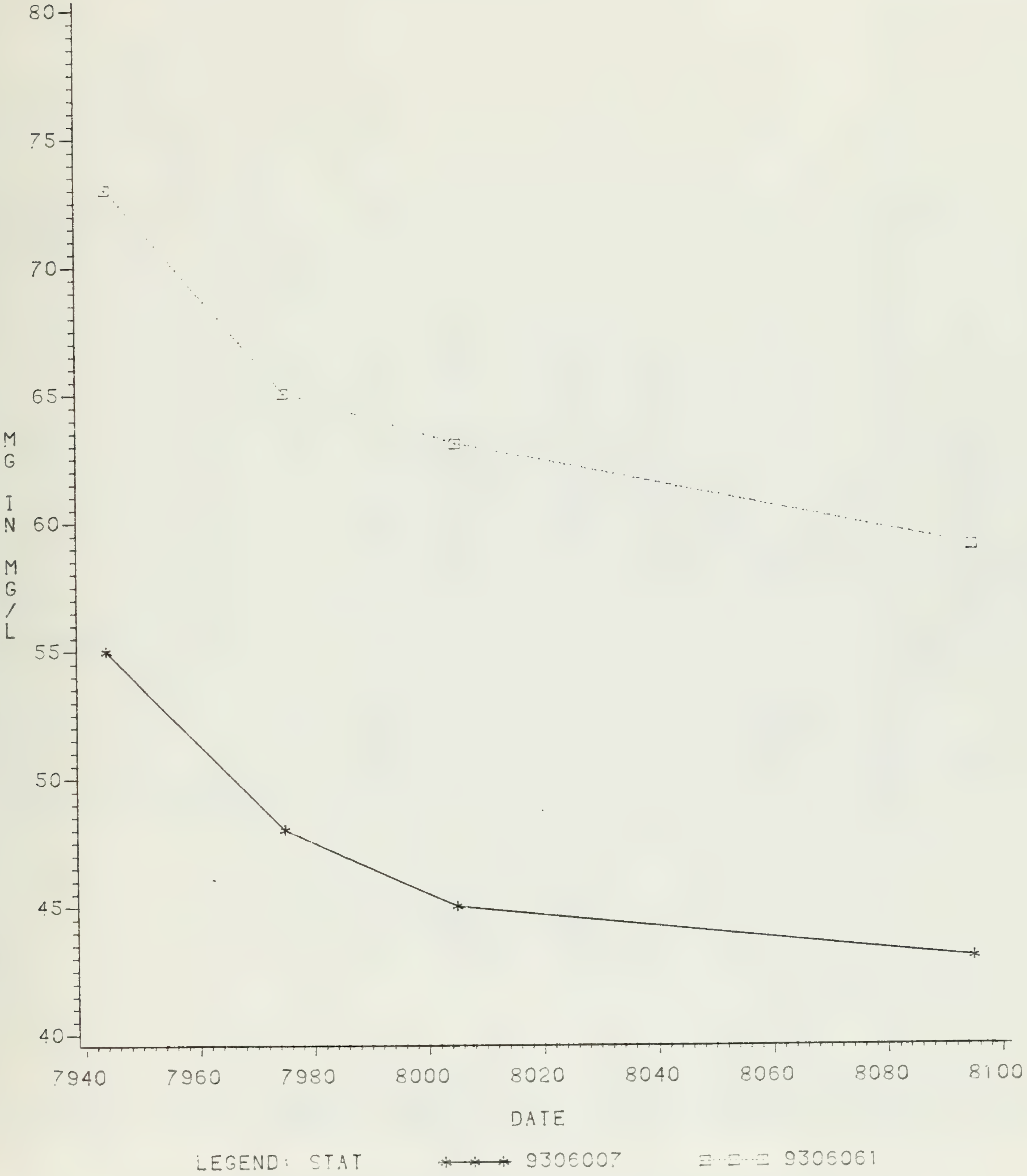


FIGURE 2.2.2.1-6

TIME SERIES OF NA AT STATIONS 007 AND 061

WATER YEAR 1981

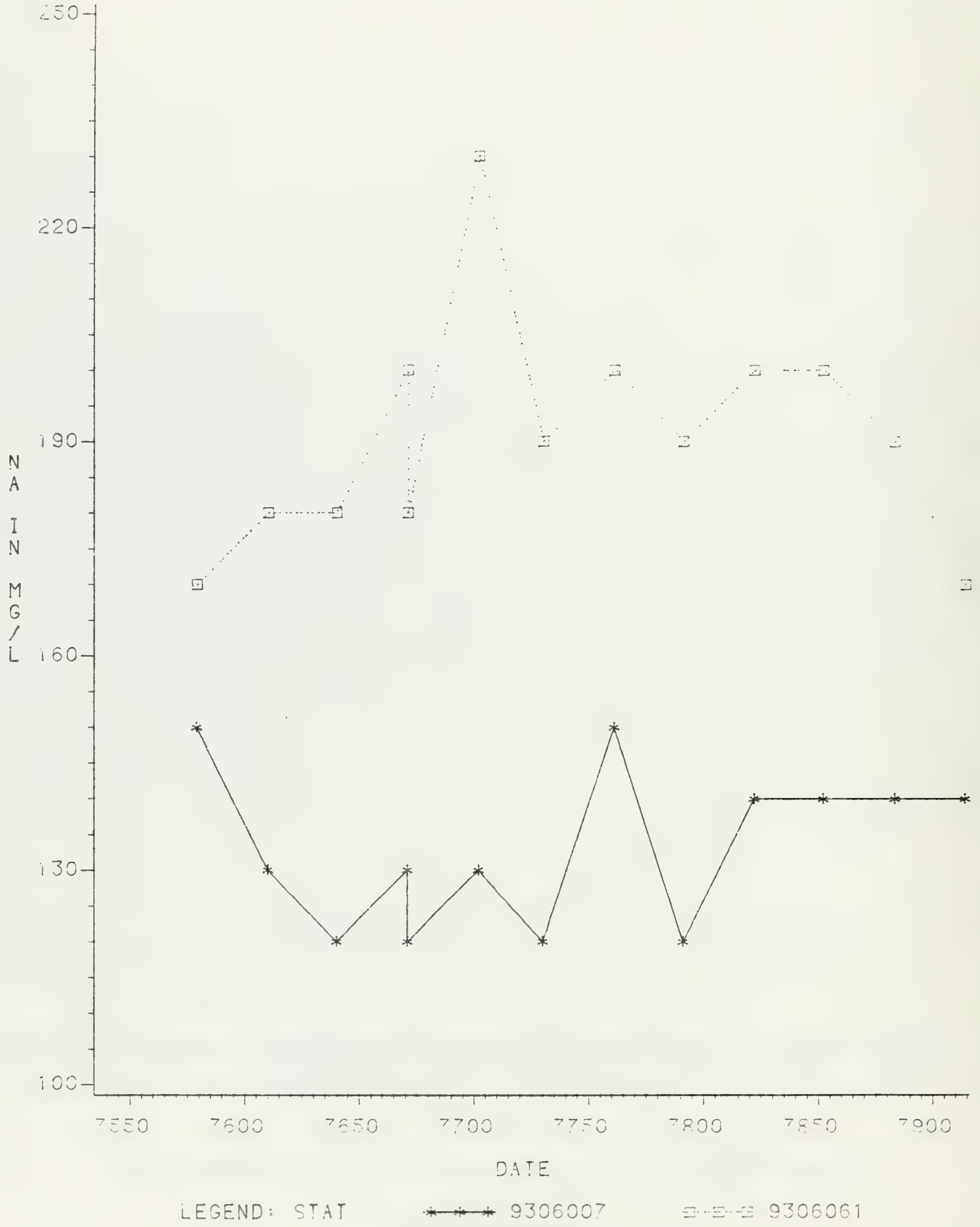


FIGURE 2.2.2.1-7

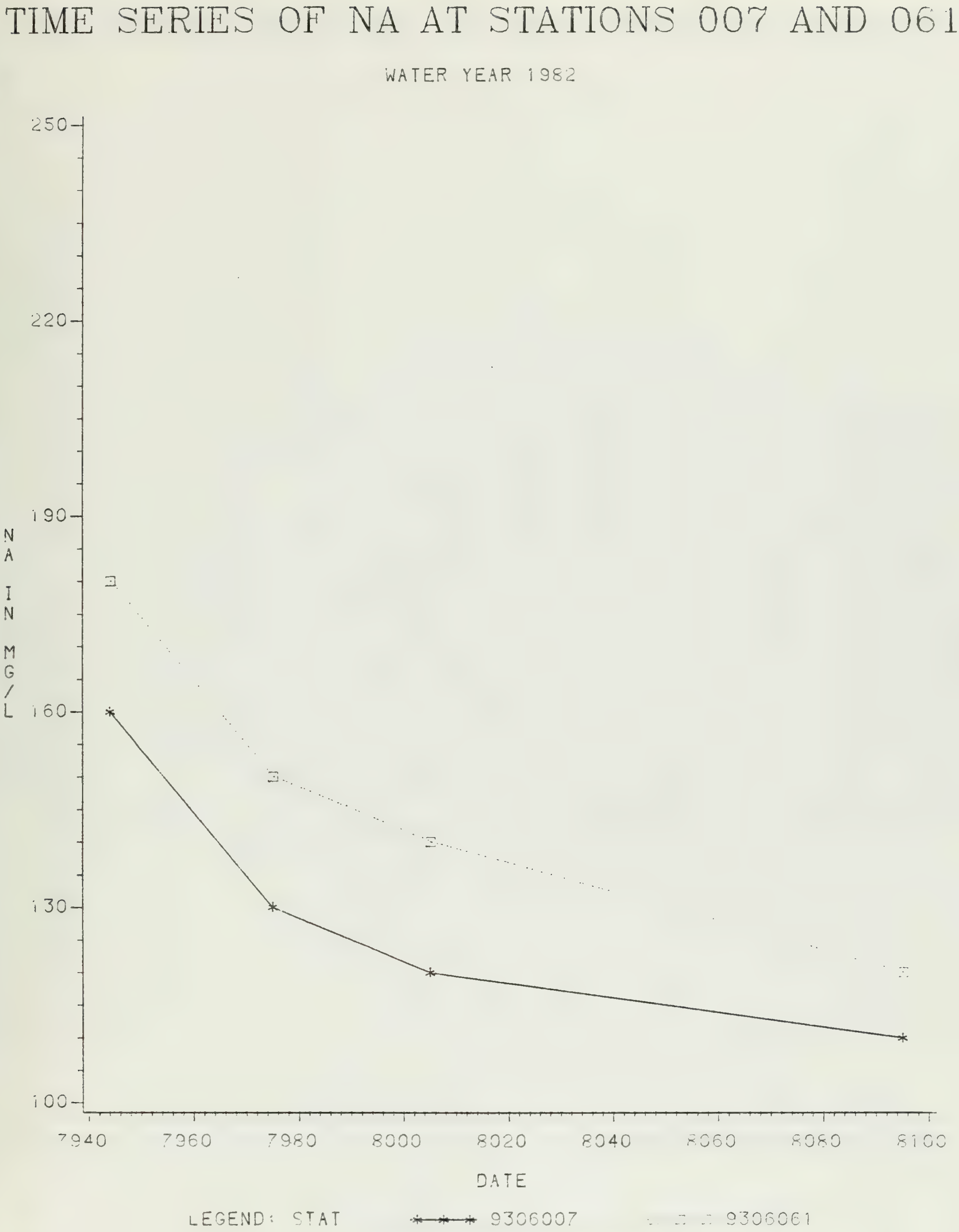


FIGURE 2.2.2.1-8

TIME SERIES OF SAR AT STATIONS 007 AND 061

WATER YEAR 1981

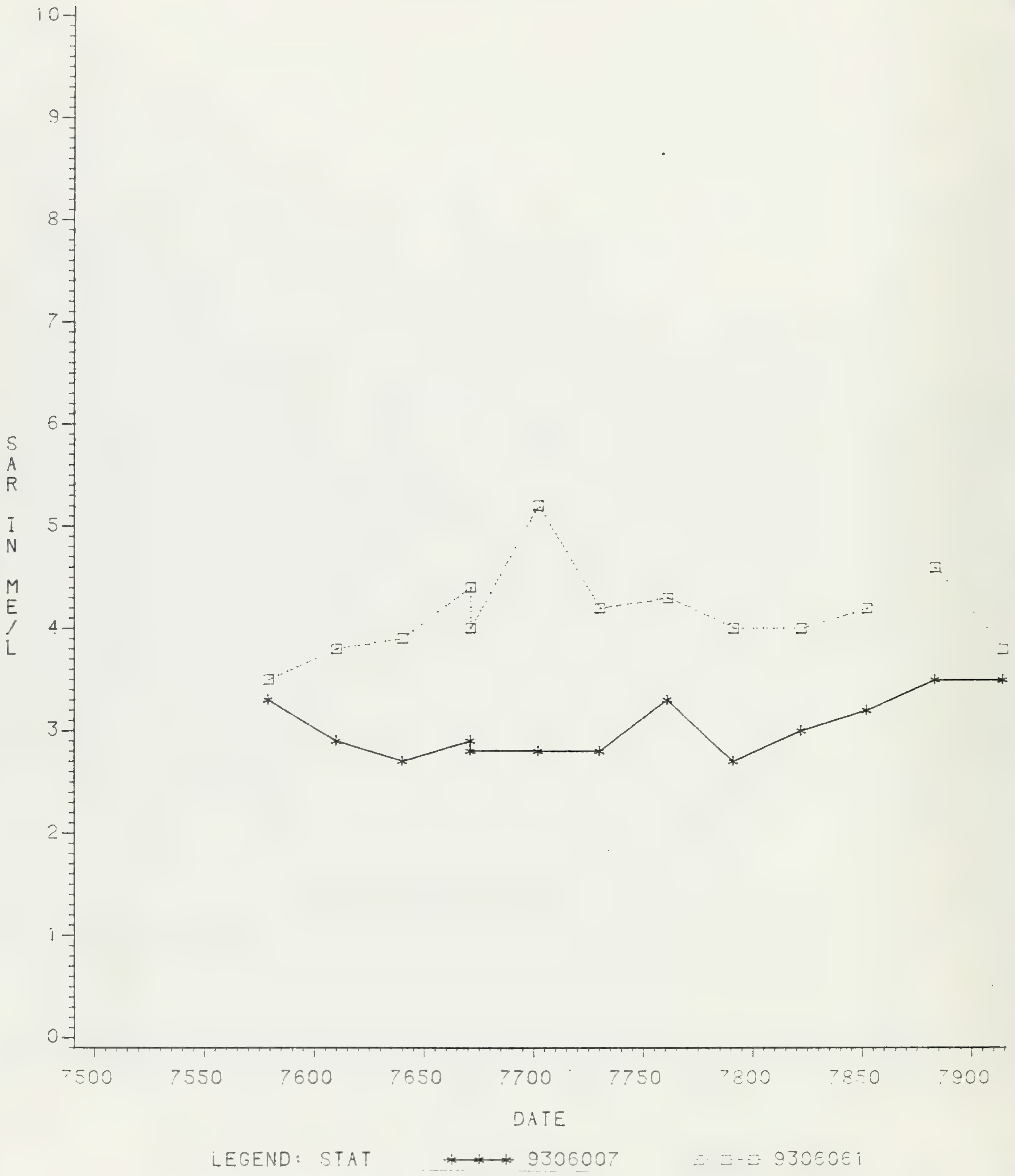


FIGURE 2.2.2.1-9

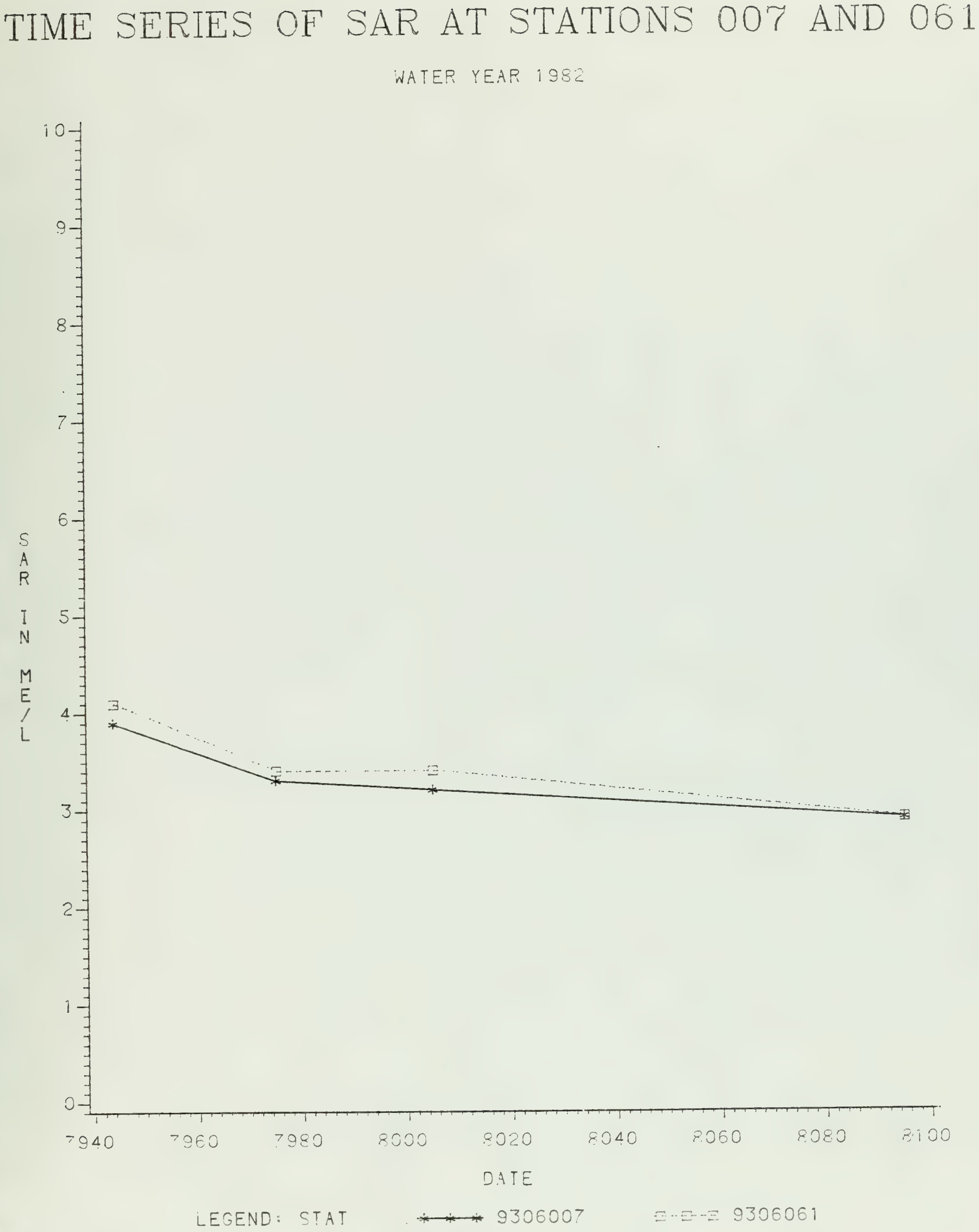


FIGURE 2.2.2.1-10

SPRINGS AND SEEPS

2.2.2.2 Spring and Seeps

Locations of Springs and Seeps on and around the C-b Tract are shown in Figure 2.2.1.2-1 of Section 2.2.1.2.

Water quality samples were not taken during this report period (June 1982 through December 1982).

During this reporting period (June - December 1982) water samples of pH or conductivity remained between the 20% range for these baseline values. If a sample should be have been taken, parameters were to be analyzed as followed by the DMP quarterly schedule, Table 2.2.2.2-1.

TABLE 2.2.2.2-1

Parameters Analyzed During IMP - Springs

Ag
AS
Ba
Cd
Cr
Cu
Fe
Hg
Mn
Pb

Mo
Cl
Li
Al
Sr
Se
Zn
pH
Na
K

Ca
Mg
Fluoride
B
Ni
Oil & Grease
Temperature
Kjeldahl-N
COD
BOD

TDS
SO_4
CO_3
HCO_3
NO_3
Alkalinity
Hardness
Phenols
Ammonia
DOC Fraction

Within this section are tables of statistics combining five water years (October 1977 - September 1982) of spring water analyses. Means and standard deviations were calculated with maximum, minimum values and number of samples taken during the 5 year period. Table 2.2.2.2-2 is a cross reference of these statistics for each spring with corresponding page number. Dates which the maximum and minimum values occurred can be referenced in the Water Quality Assurance Section 2.2.4. Water analyses tables of springs sampled since Baseline (November 1974) through December 1982 appear within the Assurance section. Refer to the list of tables within the Assurance section for finding springs data tables; data were included in that section since these data represent the first iteration in a screening process to detect errors and outliers.

Time series plots of specific field and lab analyses from water samples taken at each spring are displayed in this section. Temperature, pH, specific conductance, DOC, sodium, fluoride, TDS, boron, molybdenum, sulfate, ammonia, and arsenic were analyzed for long term trends in the 1981 C.B. Annual Report. The plots presented here are a pictorial view of the data used to arrive at the long term results. See Table 2.2.2.2-3 for page number of parameters plotted for each spring.

TABLE 2.2.2.2-2

Cross Reference for Computer Codes and Springs
Five Year Statistical Summary

Computer Code	Location	Page No.
WS01	CB S-1	I-273
WS02	CB S-2	I-275
WS03	CB S-3	I-277
WS04	CB S-4	I-279
WS06	CB S-6	I-281
WS07	CB S-7	I-283
WS08	CB S-8	I-285
WS09	CB S-9	I-287
WS10	CB S-10	I-289
WS11	CB S-10A (Seep)	I-291
WS12	CB S-102	I-293
WS36	CB S-101	I-295
WS66	CB S-6A	I-297

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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                     113
                                                                      14:10 THURSDAY, JANUARY 13, 1983
                                     LOC=#501

VARIABLE   LABEL          N        MEAN      STANDARD       MINIMUM       MAXIMUM
                                             DEVIATION       VALUE         VALUE

TALK       TALK          13      436.92        49.06        400.00        580.00
AL         AL            13        0.13         0.09          0.08          0.40
ARS        ARS           13        0.02         0.00          0.02          0.02
FCOLIF     FCOLIF         7        4.71         8.96          1.00         25.00
BA         BA            13        0.50         0.00          0.50          0.50
HCO3       HCO3          13      405.38        61.32        340.00        580.00
BOD        BOD           13       19.14        41.18          0.10        150.00
B          B             13        0.11         0.05          0.04          0.20
BR         BR             6        0.57         0.24          0.20          0.85
TCOLIF     TCOLIF         6       33.83        58.08          1.00        150.00
CD         CD            13        0.02         0.01          0.01          0.02
CA         CA            13       83.69        23.30         46.00        130.00
CO3        CO3           13       31.00        30.78          1.00         90.00
CL         CL            13       13.65        11.31          6.40         40.00
CR         CR            13        0.02         0.00          0.02          0.02
COD        COD           13       11.94        15.63          1.00         50.00
CU         CU            13        0.02         0.00          0.02          0.02
DO         DO             8        7.17         1.97          4.40         11.00
DOC        DOC            5        9.80        13.87          1.70         34.00
LAS        LAS            2        0.04         0.01          0.04          0.05
F          F             13        0.28         0.07          0.20          0.40
HARD       HARD          13      528.46        74.48        380.00        680.00
FE         FE            13        0.15         0.24          0.02          0.70
KJN        KJN           12        0.53         0.57          0.10          2.00
PB         PB            13        0.03         0.02          0.02          0.08
LI         LI            13        0.04         0.02          0.02          0.05
MG         MG            13       75.46        10.44         60.00        100.00
MN         MN            13        0.03         0.05          0.02          0.20
HG         HG            12        0.01         0.01          0.00          0.02
MOLY       MOLY          13        0.02         0.01          0.01          0.05
NI         NI            13        0.02         0.00          0.02          0.03
NO3        NO3           14      349.77      1280.93          0.10       4800.00
OLGR       OLGR          13        8.00         7.11          1.00         20.00
S2O3       S2O3           2        8.00         5.66          4.00         12.00
PH         PH             8                                   7.50          9.20
K          K             13        1.92         0.48          1.40          3.20
RA         RA             6        3.73         2.83          1.20          9.10
BTR        BTR            5       16.80        17.51          2.00         46.00
RR         RR             2        0.55         0.64          0.10          1.00
SE         SE            11        0.02         0.01          0.01          0.03
AG         AG            13        0.02         0.02          0.01          0.10
NA         NA            13      127.92         9.37        110.00        140.00
TDS        TDS           11      798.20       397.32          0.10       1100.00
SOLS       SOLS           4      973.75        22.87        945.00       1000.00
SPC        SPC            9     1206.11       262.91        760.00       1480.00
SR         SR            12        5.15         1.15          3.00          7.00
SO4        SO4           13      348.46        50.47        270.00        440.00
TEMP       TEMP           7       14.90         5.65          6.50         21.00
ZN         ZN            13        0.02         0.00          0.01          0.03
TOC        TOC            3       20.67        14.57          9.00         37.00
PHEN       PHEN          12        0.06         0.20          0.00          0.69
CYAN       CYAN           0         .            .             .             .
NH3        NH3           12        0.12         0.13          0.04          0.40
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         5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                              114
                                                                        14:10 THURSDAY, JANUARY 13, 1983
                                          LOC=WS01

VARIABLE   LABEL            N       MEAN      STANDARD     MINIMUM     MAXIMUM
                                              DEVIATION     VALUE       VALUE

PST        PST              0        .           .           .           .
SIO2       SIO2             0        .           .           .           .
U          U                0        .           .           .           .
SUSS       SUSS             0        .           .           .           .
TH         TH               0        .           .           .           .
CS         CS               0        .           .           .           .
I          I                0        .           .           .           .
SB         SB               0        .           .           .           .
ZR         ZR               0        .           .           .           .
Y          Y                0        .           .           .           .
RB         RB               0        .           .           .           .
GE         GE               0        .           .           .           .
GA         GA               0        .           .           .           .
TI         TI               0        .           .           .           .
SC         SC               0        .           .           .           .
W          W                0        .           .           .           .
CO         CO               0        .           .           .           .
V          V                0        .           .           .           .
BE         BE               0        .           .           .           .
OH         OH               0        .           .           .           .
CH         CH               0        .           .           .           .
PA         PA               0        .           .           .           .
MA         MA               0        .           .           .           .
SCN        SCN              2       0.10        0.00        0.10        0.10
TURB       TURB             0        .           .           .           .
FF         FF               0        .           .           .           .
TSSF       TSSF             0        .           .           .           .
R228       R228             0        .           .           .           .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                    115
                                                                  14:10 THURSDAY, JANUARY 13, 1983
                                       LOC=#502

VARIABLE   LABEL          N        MEAN     STANDARD      MINIMUM      MAXIMUM
                                            DEVIATION      VALUE        VALUE

TALK       TALK          14      400.71        20.56       340.00       430.00
AL         AL            14        0.16         0.12         0.10         0.50
ARS        ARS           14        0.02         0.00         0.02         0.02
FCOLIF     FCOLIF         6       45.88       120.49         1.00       344.00
BA         BA            14        0.52         0.08         0.50         0.80
HCO3       HCO3          14      349.29        34.96       280.00       420.00
BOD        BOD           14       28.96        52.63         0.40       150.00
B          B             14        0.18         0.24         0.04         1.00
BR         BR             7        0.54         0.30         0.10         1.00
TCOLIF     TCOLIF         6     1403.17      3235.50         1.00      8000.00
CD         CD            14        0.01         0.01         0.01         0.02
CA         CA            14       85.00        17.70        53.00       110.00
CO3        CO3           14       51.64        27.79        10.00       110.00
CL         CL            14       10.80        12.45         2.00        53.00
CR         CR            14        0.02         0.00         0.02         0.02
COD        COD           14       12.72        18.27         1.00        50.00
CU         CU            14        0.03         0.02         0.02         0.10
DO         DO             9        7.22         1.86         3.40        10.30
DOC        DOC            3       11.33        11.68         1.00        24.00
LAS        LAS            2        0.04         0.01         0.04         0.05
F          F             14        0.27         0.07         0.20         0.40
HARD       HARD          14      494.29        70.35       370.00       600.00
FE         FE            14        0.16         0.23         0.02         0.50
KJN        KJN           12        0.67         0.91         0.10         3.00
PB         PB            14        0.02         0.01         0.02         0.05
LI         LI            14        0.04         0.01         0.02         0.05
MG         MG            14       70.71         9.29        57.00        89.00
MN         MN            14        0.03         0.02         0.02         0.10
HG         HG            14        0.01         0.01         0.00         0.02
MOLY       MOLY          14        0.04         0.08         0.01         0.30
NI         NI            14        0.02         0.00         0.02         0.03
NO3        NO3           15      323.48      1238.40         0.10      4800.00
OLGR       OLGR          14        6.93         8.10         1.00        31.00
S2O3       S2O3           2        6.00         2.83         4.00         8.00
PH         PH             9                                  7.60         8.80
K          K             14        1.44         0.97         0.70         4.20
RA         RA             8        3.01         1.83         1.00         6.00
BTR        BTR            7        5.14         4.45         1.00        14.00
RR         RR             1        0.30          .           0.30         0.30
SE         SE            12        0.01         0.01         0.01         0.02
AG         AG            15        0.03         0.05         0.01         0.20
NA         NA            14      112.86         9.94       100.00       130.00
TDS        TDS           12      697.52       327.35         0.10       880.00
SOLS       SOLS           4      887.50       165.20       650.00      1000.00
SPC        SPC            9     1168.89        95.58      1020.00      1300.00
SR         SR            13        4.93         1.29         2.70         7.00
SO4        SO4           14      298.57        48.33       210.00       360.00
TEMP       TEMP           8       13.67         4.23         6.30        20.00
ZN         ZN            14        0.03         0.03         0.01         0.10
TOC        TOC            4       10.50        12.07         1.00        27.00
PHEN       PHEN          14        0.01         0.01         0.00         0.04
CYAN       CYAN           0         .            .            .            .
NH3        NH3           14        0.19         0.25         0.04         0.75
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                             116
                                                                  14:10 THURSDAY, JANUARY 13, 1983
                                        LOC=WS02

VARIABLE    LABEL            N          MEAN         STANDARD       MINIMUM        MAXIMUM
                                                     DEVIATION       VALUE          VALUE

PST         PST              0            .              .              .              .
SIO2        SIO2             0            .              .              .              .
U           U                0            .              .              .              .
SUSS        SUSS             0            .              .              .              .
TH          TH               0            .              .              .              .
CS          CS               0            .              .              .              .
I           I                0            .              .              .              .
SB          SB               0            .              .              .              .
ZR          ZR               0            .              .              .              .
Y           Y                0            .              .              .              .
RB          RB               0            .              .              .              .
GE          GE               0            .              .              .              .
GA          GA               0            .              .              .              .
TI          TI               0            .              .              .              .
SC          SC               0            .              .              .              .
W           W                0            .              .              .              .
CO          CO               0            .              .              .              .
V           V                0            .              .              .              .
BE          BE               0            .              .              .              .
OH          OH               0            .              .              .              .
CH          CH               0            .              .              .              .
PA          PA               0            .              .              .              .
MA          MA               0            .              .              .              .
SCN         SCN              3          0.10           0.00           0.10           0.10
TURB        TURB             0            .              .              .              .
FF          FF               0            .              .              .              .
TSSF        TSSF             0            .              .              .              .
R228        R228             0            .              .              .              .
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                                          LOC=#S03

VARIABLE    LABEL           N        MEAN       STANDARD      MINIMUM        MAXIMUM
                                                DEVIATION     VALUE          VALUE

TALK        TALK           16      431.44        28.35        400.00         513.00
AL          AL             16        0.14         0.11          0.03           0.50
ARS         ARS            16        0.02         0.00          0.02           0.02
FCOLIF      FCOLIF         10       30.10        83.93          1.00         268.00
BA          BA             16        0.50         0.00          0.50           0.50
HCO3        HCO3           16      410.19        46.34        300.00         513.00
BOD         BOD            16       25.02        38.54          0.60         150.00
B           B              16        0.09         0.05          0.04           0.20
BR          BR              9        0.56         0.21          0.30           1.00
TCOLIF      TCOLIF          6       69.83       113.90          1.00         292.00
CD          CD             16        0.02         0.01          0.01           0.02
CA          CA             16       82.38        21.48         43.00         120.00
CO3         CO3            16       21.81        27.61          1.00         100.00
CL          CL             16       13.32        12.34          6.00          47.00
CR          CR             16        0.02         0.00          0.02           0.04
COD         COD            16        8.81        14.13          1.00          50.00
CU          CU             16        0.03         0.03          0.02           0.10
DO          DO             10        7.41         1.84          3.10           9.50
DOC         DOC             5       13.80        14.10          1.00          38.00
LAS         LAS             2        0.04         0.01          0.04           0.05
F           F              16        0.28         0.08          0.20           0.40
HARD        HARD           16      543.75        90.62        370.00         700.00
FE          FE             16        0.20         0.24          0.02           0.50
KJN         KJN            13        0.92         1.32          0.07           4.10
PB          PB             16        0.04         0.05          0.02           0.20
LI          LI             16        0.03         0.02          0.01           0.05
MG          MG             16       77.25        13.66         55.00          98.00
MN          MN             16        0.03         0.03          0.02           0.10
HG          HG             15        0.01         0.01          0.00           0.02
MOLY        MOLY           16        0.03         0.05          0.01           0.20
NI          NI             16        0.03         0.04          0.02           0.20
NO3         NO3            17      286.88      1163.02          0.10        4800.00
OLGR        OLGR           16        7.69         6.24          1.00          26.00
S2O3        S2O3            2        8.50         6.36          4.00          13.00
PH          PH             10                                   7.30           8.40
K           K              16        2.01         0.65          0.60           3.20
RA          RA              9        3.06         2.20          0.20           6.10
BTR         BTR             4       14.50         5.92          9.00          21.00
RR          RR              1        0.10          .            0.10           0.10
SE          SE             11        0.01         0.01          0.01           0.02
AG          AG             18        0.03         0.03          0.01           0.10
NA          NA             16      127.00        12.65        110.00         150.00
TDS         TDS            14      616.46       477.97          0.10        1000.00
SOLS        SOLS            7     1514.29      1450.29        890.00        4800.00
SPC         SPC             9     1304.44       119.70       1050.00        1440.00
SR          SR             15        4.91         1.04          3.00           7.10
SO4         SO4            16      403.63       145.90        218.00         890.00
TEMP        TEMP            9       14.44         4.12          7.50          19.00
ZN          ZN             16        0.03         0.03          0.01           0.10
TOC         TOC             6       16.17         9.89          4.00          28.00
PHEN        PHEN           15        0.00         0.01          0.00           0.02
CYAN        CYAN            0         .            .             .              .
NH3         NH3            15        0.14         0.16          0.02           0.60
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                                         LOC=WS03

VARIABLE    LABEL            N          MEAN        STANDARD       MINIMUM       MAXIMUM
                                                    DEVIATION       VALUE         VALUE

PST         PST              0            .             .             .             .
SIO2        SIO2             0            .             .             .             .
U           U                0            .             .             .             .
SUSS        SUSS             0            .             .             .             .
TH          TH               0            .             .             .             .
CS          CS               0            .             .             .             .
I           I                0            .             .             .             .
SB          SB               0            .             .             .             .
ZR          ZR               0            .             .             .             .
Y           Y                0            .             .             .             .
RB          RB               0            .             .             .             .
GE          GE               0            .             .             .             .
GA          GA               0            .             .             .             .
TI          TI               0            .             .             .             .
SC          SC               0            .             .             .             .
W           W                0            .             .             .             .
CO          CO               0            .             .             .             .
V           V                0            .             .             .             .
BE          BE               0            .             .             .             .
OH          OH               0            .             .             .             .
CH          CH               0            .             .             .             .
PA          PA               0            .             .             .             .
MA          MA               0            .             .             .             .
SCN         SCN              2          0.10          0.00          0.10          0.10
TURB        TURB             0            .             .             .             .
FF          FF               0            .             .             .             .
TSSF        TSSF             0            .             .             .             .
R228        R228             0            .             .             .             .
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          5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                    119
                                                                        14:10 THURSDAY, JANUARY 13, 1983
                                   LOC=#S04

VARIABLE      LABEL        N         MEAN      STANDARD       MINIMUM      MAXIMUM
                                              DEVIATION         VALUE        VALUE

TALK          TALK        14       397.14         27.01       320.00       420.00
AL            AL          14         0.11          0.06         0.01         0.30
ARS           ARS         14         0.03          0.05         0.02         0.20
FCOLIF        FCOLIF       8        33.00         86.89         1.00       248.00
BA            BA          14         0.50          0.04         0.40         0.60
HCO3          HCO3        14       359.29         28.14       300.00       400.00
BOD           BOD         14        35.32         52.59         0.50       150.00
B             B           14         0.18          0.14         0.09         0.59
BR            BR           7         0.52          0.22         0.30         0.84
TCOLIF        TCOLIF       6      2555.50       6097.62         1.00     15000.00
CD            CD          14         0.01          0.01         0.01         0.02
CA            CA          14        86.50         21.50        47.00       120.00
CO3           CO3         14        37.71         20.50        12.00        90.00
CL            CL          14        11.41         11.18         3.60        43.00
CR            CR          14         0.02          0.00         0.02         0.03
COD           COD         14        11.86         17.06         1.00        50.00
CU            CU          14         0.03          0.02         0.02         0.10
DO            DO           9         7.14          2.27         3.00        11.40
DOC           DOC          3         7.67          6.51         1.00        14.00
LAS           LAS          2         0.04          0.01         0.04         0.05
F             F           14         0.26          0.08         0.19         0.40
HARD          HARD        14       499.29         99.80       330.00       650.00
FE            FE          14         0.16          0.23         0.02         0.50
KJN           KJN         12         0.59          0.71         0.07         2.00
PB            PB          14         0.02          0.01         0.02         0.05
LI            LI          14         0.04          0.01         0.02         0.05
MG            MG          14        70.29         13.46        50.00        98.00
MN            MN          14         0.03          0.03         0.02         0.10
HG            HG          15         0.01          0.01         0.00         0.02
MOLY          MOLY        14         0.02          0.02         0.01         0.10
NI            NI          14         0.02          0.00         0.02         0.03
NO3           NO3         15       324.26       1238.19         0.10      4800.00
OLGR          OLGR        14         5.79          7.30         1.00        28.00
S2O3          S2O3         3         6.33          6.81         1.00        14.00
PH            PH           9                                    7.50         8.60
K             K           14         1.59          1.06         0.80         3.80
RA            RA           4         1.95          1.22         0.80         3.00
BTR           BTR          5         6.20          2.49         2.00         8.00
RR            RR           1         0.20           .           0.20         0.20
SE            SE          12         0.01          0.01         0.01         0.02
AG            AG          16         0.02          0.02         0.01         0.10
NA            NA          14       113.50         11.60        90.00       130.00
TDS           TDS         12       744.18        361.46         0.10      1200.00
SOLS          SOLS         4       967.50        155.21       880.00      1200.00
SPC           SPC          9      1183.33        118.64      1010.00      1390.00
SR            SR          13         4.88          1.23         2.70         7.00
SO4           SO4         14       315.00         80.84       150.00       470.00
TEMP          TEMP         8        13.52          3.81         6.00        18.50
ZN            ZN          14         0.03          0.02         0.01         0.10
TOC           TOC          4        10.00          6.38         1.00        16.00
PHEN          PHEN        14         0.01          0.01         0.00         0.02
CYAN          CYAN         0           .             .            .            .
NH3           NH3         14         0.16          0.19         0.04         0.60
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                              120
                                                                    14:10 THURSDAY, JANUARY 13, 1983
                                  LOC=#504

VARIABLE    LABEL            N        MEAN       STANDARD       MINIMUM       MAXIMUM
                                                 DEVIATION       VALUE         VALUE

PST         PST              0          .            .             .             .
SIO2        SIO2             0          .            .             .             .
U           U                0          .            .             .             .
SUSS        SUSS             0          .            .             .             .
TH          TH               0          .            .             .             .
CS          CS               0          .            .             .             .
I           I                0          .            .             .             .
SB          SB               0          .            .             .             .
ZR          ZR               0          .            .             .             .
Y           Y                0          .            .             .             .
RB          RB               0          .            .             .             .
GE          GE               0          .            .             .             .
GA          GA               0          .            .             .             .
TI          TI               0          .            .             .             .
SC          SC               0          .            .             .             .
*           *                0          .            .             .             .
CO          CO               0          .            .             .             .
V           V                0          .            .             .             .
BE          BE               0          .            .             .             .
OH          OH               0          .            .             .             .
CH          CH               0          .            .             .             .
PA          PA               0          .            .             .             .
MA          MA               0          .            .             .             .
SCN         SCN              3        0.10         0.00          0.10          0.10
TURB        TURB             0          .            .             .             .
FF          FF               0          .            .             .             .
TSSF        TSSF             0          .            .             .             .
R228        R228             0          .            .             .             .
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LOC=#506

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	16	498.38	178.78	1.00	930.00
AL	AL	15	0.12	0.06	0.10	0.30
ARS	ARS	15	0.02	0.00	0.02	0.02
FCOLIF	FCOLIF	8	17.38	39.68	1.00	115.00
BA	BA	15	0.60	0.39	0.50	2.00
HCO3	HCO3	15	506.87	128.35	380.00	900.00
BOD	BOD	15	33.66	50.76	0.30	150.00
B	B	15	0.11	0.05	0.04	0.23
BR	BR	7	0.59	0.24	0.10	0.80
TCOLIF	TCOLIF	6	98.17	152.99	1.00	390.00
CD	CD	15	0.02	0.01	0.01	0.02
CA	CA	15	89.33	23.06	39.00	110.00
CO3	CO3	15	24.87	20.22	1.00	60.00
CL	CL	15	16.57	11.91	6.50	57.00
CR	CR	15	0.02	0.00	0.02	0.02
COD	COD	15	12.34	17.43	0.10	50.00
CU	CU	15	0.03	0.02	0.02	0.10
DO	DO	10	6.34	1.65	4.00	9.60
DOC	DOC	4	8.00	6.48	1.00	14.00
LAS	LAS	2	0.04	0.01	0.04	0.05
F	F	15	0.49	0.11	0.23	0.70
HARD	HARD	15	573.33	86.49	400.00	700.00
FE	FE	15	0.18	0.23	0.02	0.50
KJN	KJN	13	0.61	0.89	0.07	3.00
PB	PB	15	0.03	0.02	0.02	0.10
LI	LI	15	0.04	0.02	0.02	0.05
MG	MG	15	85.53	9.84	62.00	94.00
MN	MN	15	0.03	0.02	0.02	0.10
HG	HG	15	0.01	0.01	0.00	0.02
MOLY	MOLY	15	0.04	0.07	0.01	0.30
NI	NI	15	0.02	0.00	0.02	0.02
NO3	NO3	16	303.58	1199.06	0.10	4800.00
OLGR	OLGR	15	8.60	12.41	1.00	40.00
S2O3	S2O3	3	4.67	3.51	1.00	8.00
PH	PH	10			6.90	8.10
K	K	15	2.53	0.89	1.80	4.60
RA	RA	7	3.76	3.84	0.30	12.00
BTR	BTR	5	9.00	3.54	4.00	13.00
RR	RR	1	0.20	.	0.20	0.20
SE	SE	12	0.01	0.01	0.01	0.02
AG	AG	17	0.02	0.01	0.01	0.06
NA	NA	15	134.20	12.55	110.00	150.00
TDS	TDS	13	773.87	443.89	0.10	1100.00
SOLS	SOLS	5	1055.20	61.93	976.00	1100.00
SPC	SPC	10	1368.10	113.16	1215.00	1558.00
SR	SR	14	6.06	1.23	3.60	8.40
SO4	SO4	15	355.80	34.19	280.00	420.00
TEMP	TEMP	9	13.32	3.47	8.00	19.00
ZN	ZN	15	0.03	0.02	0.02	0.10
TOC	TOC	4	10.75	7.23	4.00	17.00
PHEN	PHEN	14	0.00	0.00	0.00	0.01
CYAN	CYAN	0	.	.	.	.
NH3	NH3	14	0.06	0.04	0.04	0.20

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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                122
                                                                   14:10 THURSDAY, JANUARY 13, 1983
                                     LOC=W506

VARIABLE   LABEL         N        MEAN       STANDARD      MINIMUM      MAXIMUM
                                             DEVIATION      VALUE        VALUE

PST        PST           0         .            .            .            .
SIO2       SIO2          0         .            .            .            .
U          U             0         .            .            .            .
SUSS       SUSS          0         .            .            .            .
TH         TH            0         .            .            .            .
CS         CS            0         .            .            .            .
I          I             0         .            .            .            .
SB         SB            0         .            .            .            .
ZR         ZR            0         .            .            .            .
Y          Y             0         .            .            .            .
RB         RB            0         .            .            .            .
GE         GE            0         .            .            .            .
GA         GA            0         .            .            .            .
TI         TI            0         .            .            .            .
SC         SC            0         .            .            .            .
W          W             0         .            .            .            .
CO         CO            0         .            .            .            .
V          V             0         .            .            .            .
BE         BE            0         .            .            .            .
OM         OM            0         .            .            .            .
CR         CR            0         .            .            .            .
PA         PA            0         .            .            .            .
MA         MA            0         .            .            .            .
SCN        SCN           3       0.10         0.00         0.10         0.10
TURB       TURB          0         .            .            .            .
FF         FF            0         .            .            .            .
TSSF       TSSF          0         .            .            .            .
R226       R226          0         .            .            .            .
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         5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                        123
                                                                           14:10 THURSDAY, JANUARY 13, 1983
                                      LOC=W507

VARIABLE   LABEL           N        MEAN       STANDARD      MINIMUM       MAXIMUM
                                               DEVIATION      VALUE         VALUE

TALK       TALK           16       486.25       27.54        440.00        570.00
AL         AL             16         0.10        0.01          0.04          0.10
ARS        ARS            16         0.02        0.00          0.02          0.02
FCOLIF     FCOLIF          9         4.89       11.67          1.00         36.00
BA         BA             16         0.59        0.38          0.50          2.00
HCO3       HCO3           16       468.13       46.65        350.00        570.00
BOD        BOD            16        36.54       55.75          0.30        150.00
B          B              16         0.13        0.09          0.04          0.40
BR         BR              8         0.58        0.21          0.30          0.90
TCOLIF     TCOLIF          6        38.00       71.54          1.00        180.00
CD         CD             16         0.03        0.05          0.01          0.20
CA         CA             16        92.19       22.99         42.00        120.00
CO3        CO3            16        18.88       27.78          1.00         90.00
CL         CL             16        15.47        9.93          8.00         48.00
CR         CR             16         0.02        0.00          0.02          0.02
COD        COD            16        11.86       16.07          1.00         50.00
CU         CU             16         0.02        0.02          0.02          0.10
DO         DO             11         6.69        1.90          2.80          9.20
DOC        DOC             7        16.24       21.90          1.00         48.00
LAS        LAS             2         0.04        0.01          0.04          0.05
F          F              16         0.49        0.10          0.40          0.80
HARD       HARD           16       586.25       79.57        410.00        690.00
FE         FE             16         0.17        0.23          0.02          0.50
KJN        KJN            14         0.63        0.92          0.07          3.00
PB         PB             16         0.04        0.05          0.02          0.20
LI         LI             16         0.04        0.02          0.02          0.05
MG         MG             16        83.06       11.05         61.00        100.00
MN         MN             16         0.03        0.02          0.02          0.10
HG         HG             16         0.01        0.01          0.00          0.02
MOLY       MOLY           16         0.02        0.01          0.01          0.07
NI         NI             16         0.02        0.00          0.02          0.02
NO3        NO3            18       535.83     1551.32          0.10       4800.00
OLGR       OLGR           16         6.63       10.69          1.00         45.00
S2O3       S2O3            2         6.50        4.95          3.00         10.00
PH         PH             12                                   7.00          8.40
K          K              16         2.22        0.91          1.40          5.00
RA         RA              6         5.67        5.32          0.30         12.70
BTR        BTR             4         8.75        2.87          7.00         13.00
RR         RR              1         0.20         .            0.20          0.20
SE         SE             12         0.01        0.01          0.01          0.02
AG         AG             13         0.02        0.02          0.01          0.10
NA         NA             16       130.44        7.77        120.00        140.00
TDS        TDS            14       710.03      466.13          0.10       1000.00
SOLS       SOLS            6      1642.50     1597.76        855.00       4900.00
SPC        SPC            11      1316.36      219.38        800.00       1620.00
SR         SR             15         6.41        1.30          3.80          8.40
SO4        SO4            16       389.13      153.00        156.00        910.00
TEMP       TEMP           10        13.06        3.55          8.00         19.00
ZN         ZN             16         0.03        0.02          0.02          0.10
TOC        TOC             4         8.50        5.20          1.00         13.00
PHEN       PHEN           15         0.00        0.01          0.00          0.02
CYAN       CYAN            0          .           .             .             .
NH3        NH3            15         0.45        1.16          0.04          4.50
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        5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                  124
                                                                             14:10 THURSDAY, JANUARY 13, 1983
                                   LOC=W507

VARIABLE   LABEL            N         MEAN       STANDARD     MINIMUM      MAXIMUM
                                                 DEVIATION     VALUE        VALUE

PST        PST              0          .            .            .            .
SIO2       SIO2             0          .            .            .            .
U          U                0          .            .            .            .
SUSS       SUSS             0          .            .            .            .
TH         TH               0          .            .            .            .
CS         CS               0          .            .            .            .
I          I                0          .            .            .            .
SB         SB               0          .            .            .            .
ZR         ZR               0          .            .            .            .
Y          Y                0          .            .            .            .
RB         RB               0          .            .            .            .
GE         GE               0          .            .            .            .
GA         GA               0          .            .            .            .
TI         TI               0          .            .            .            .
SC         SC               0          .            .            .            .
W          W                0          .            .            .            .
CO         CO               0          .            .            .            .
V          V                0          .            .            .            .
BE         BE               0          .            .            .            .
OH         OH               0          .            .            .            .
CH         CH               0          .            .            .            .
PA         PA               0          .            .            .            .
MA         MA               0          .            .            .            .
SCN        SCN              3         0.10         0.00         0.10         0.10
TURB       TURB             0          .            .            .            .
FF         FF               0          .            .            .            .
TSSF       TSSF             0          .            .            .            .
R228       R228             0          .            .            .            .
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        5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                    125
                                                                                   14:10 THURSDAY, JANUARY 13, 1983
                                         LOC=#508

VARIABLE   LABEL           N        MEAN        STANDARD       MINIMUM       MAXIMUM
                                                DEVIATION      VALUE         VALUE

TALK       TALK            7       462.86         22.89         430.00        480.00
AL         AL              7         0.11          0.04           0.10          0.20
ARS        ARS             7         0.02          0.00           0.02          0.02
FCOLIF     FCOLIF          3       634.00       1096.39           1.00       1900.00
BA         BA              7         0.50          0.00           0.50          0.50
HCO3       HCO3            7       412.86         57.36         310.00        480.00
BOD        BOD             7        29.90         45.97           0.30        130.00
B          B               6         0.09          0.02           0.04          0.10
BR         BR              2         0.55          0.21           0.40          0.70
TCOLIF     TCOLIF          2      1205.00       1548.56         110.00       2300.00
CD         CD              7         0.02          0.01           0.01          0.02
CA         CA              7        85.29         23.32          59.00        120.00
CO3        CO3             7        50.14         60.70           1.00        170.00
CL         CL              7        26.57         25.69          11.00         82.00
CR         CR              7         0.02          0.00           0.02          0.02
COD        COD             7         8.00         16.36           1.00         45.00
CU         CU              7         0.03          0.03           0.02          0.10
DO         DO              3         6.70          0.70           6.20          7.50
DOC        DOC             2         1.00          0.00           1.00          1.00
LAS        LAS             0          .             .              .             .
F          F               7         0.52          0.10           0.40          0.70
HARD       HARD            7       537.14         94.11         400.00        640.00
FE         FE              7         0.10          0.18           0.02          0.50
KJN        KJN             5         0.38          0.31           0.10          0.80
PB         PB              7         0.02          0.00           0.02          0.02
LI         LI              7         0.04          0.01           0.02          0.05
MG         MG              7        74.29         15.83          61.00        100.00
MN         MN              7         0.03          0.03           0.02          0.10
HG         HG              8         0.01          0.01           0.00          0.02
MOLY       MOLY            7         0.03          0.03           0.01          0.08
NI         NI              7         0.03          0.03           0.02          0.10
NO3        NO3             8       604.55       1695.24           0.10       4800.00
OLGR       OLGR            7         2.00          1.15           1.00          4.00
S2O3       S2O3            0          .             .              .             .
PH         PH              3                                      7.20          7.40
K          K               7         2.26          0.75           1.60          3.70
RA         RA              3         3.33          1.42           1.70          4.30
BTR        BTR             1         4.00           .             4.00          4.00
RR         RR              0          .             .              .             .
SE         SE              5         0.02          0.01           0.01          0.03
AG         AG              9         0.02          0.01           0.01          0.04
NA         NA              7       125.71          9.76         120.00        140.00
TDS        TDS             7       842.87        372.42           0.10       1000.00
SOLS       SOLS            1      4400.00           .          4400.00       4400.00
SPC        SPC             3      1380.00         65.57        1320.00       1450.00
SR         SR              6         6.25          0.78           5.00          7.30
SO4        SO4             7       338.57         67.44         250.00        440.00
TEMP       TEMP            2        13.00          2.83          11.00         15.00
ZN         ZN              7         0.03          0.03           0.02          0.10
TOC        TOC             1         2.00           .             2.00          2.00
PHEN       PHEN            7         0.00          0.00           0.00          0.01
CYAN       CYAN            0          .             .              .             .
NH3        NH3             7         0.14          0.22           0.06          0.64
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                          126
                                                                   14:10 THURSDAY, JANUARY 13, 1983
                                    LOC=W508

VARIABLE   LABEL           N         MEAN        STANDARD         MINIMUM       MAXIMUM
                                                 DEVIATION         VALUE         VALUE

PST        PST             0           .             .               .             .
SIO2       SIO2            0           .             .               .             .
U          U               0           .             .               .             .
SUSS       SUSS            0           .             .               .             .
TH         TH              0           .             .               .             .
CS         CS              0           .             .               .             .
I          I               0           .             .               .             .
SB         SB              0           .             .               .             .
ZR         ZR              0           .             .               .             .
Y          Y               0           .             .               .             .
RB         RB              0           .             .               .             .
GE         GE              0           .             .               .             .
GA         GA              0           .             .               .             .
TI         TI              0           .             .               .             .
SC         SC              0           .             .               .             .
W          W               0           .             .               .             .
CO         CO              0           .             .               .             .
V          V               0           .             .               .             .
BE         BE              0           .             .               .             .
OH         OH              0           .             .               .             .
CH         CH              0           .             .               .             .
PA         PA              0           .             .               .             .
MA         MA              0           .             .               .             .
SCN        SCN             1         0.10            .             0.10          0.10
TURB       TURB            0           .             .               .             .
FF         FF              0           .             .               .             .
TSSF       TSSF            0           .             .               .             .
R228       R228            0           .             .               .             .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                   127
                                                                         14:10 THURSDAY, JANUARY 13, 1983
                                        LOC=WS09

VARIABLE  LABEL          N        MEAN      STANDARD      MINIMUM       MAXIMUM
                                            DEVIATION     VALUE         VALUE

TALK      TALK          15      484.33        56.66       400.00        665.00
AL        AL            15        0.13         0.08         0.04          0.40
ARS       ARS           15        0.03         0.05         0.02          0.20
FCOLIF    FCOLIF         8       49.25       134.46         1.00        382.00
BA        BA            15        0.51         0.02         0.50          0.59
HCO3      HCO3          15      462.67        67.11       380.00        665.00
BOD       BOD           15       38.89        57.43         0.40        150.00
B         B             14        0.12         0.08         0.04          0.32
BR        BR             7        0.54         0.27         0.10          0.90
TCOLIF    TCOLIF         6      127.67       191.38         1.00        422.00
CD        CD            15        0.02         0.01         0.01          0.02
CA        CA            15       95.73        24.79        42.00        120.00
CO3       CO3           15       22.20        26.08         1.00         65.00
CL        CL            15       16.71        16.51         8.00         70.00
CR        CR            15        0.02         0.00         0.02          0.02
COD       COD           15        9.47        16.94         0.10         50.00
CU        CU            15        0.03         0.02         0.02          0.10
DO        DO            10        6.43         1.72         2.80          9.40
DOC       DOC            3        7.33         8.39         2.00         17.00
LAS       LAS            2        0.04         0.01         0.04          0.05
F         F             15        0.46         0.15         0.30          0.90
HARD      HARD          15      574.00        84.16       430.00        690.00
FE        FE            15        0.15         0.22         0.02          0.50
KJN       KJN           13        0.54         0.90         0.07          3.00
PB        PB            15        0.03         0.02         0.02          0.10
LI        LI            15        0.04         0.02         0.02          0.05
MG        MG            15       80.67        10.52        63.00        100.00
MN        MN            15        0.03         0.02         0.02          0.10
HG        HG            14        0.01         0.01         0.00          0.02
MOLY      MOLY          15        0.02         0.01         0.01          0.05
NI        NI            15        0.02         0.00         0.02          0.02
NO3       NO3           16      302.03      1199.47         0.10       4800.00
OLGR      OLGR          15        4.40         3.62         1.00         10.00
S2O3      S2O3           2        8.00         5.66         4.00         12.00
PH        PH            10                                  7.20          8.20
K         K             15        1.65         0.96         1.00          4.60
RA        RA             6        3.03         3.15         1.00          9.30
BTR       BTR            7        3.29         2.21         1.00          7.00
RN        RN             1        0.20          .           0.20          0.20
SE        SE            12        0.01         0.01         0.01          0.02
AG        AG            17        0.02         0.05         0.01          0.20
NA        NA            15      122.67        12.80       100.00        150.00
TDS       TDS           13      743.10       424.64         0.10       1000.00
SOLS      SOLS           5      968.00        48.68       890.00       1000.00
SPC       SPC           10     1329.00       120.60      1130.00       1550.00
SR        SR            14        6.04         1.34         3.50          8.00
SO4       SO4           15      325.73        59.44       190.00        420.00
TEMP      TEMP           8       11.85         3.55         6.00         16.00
ZN        ZN            15        0.03         0.02         0.02          0.10
TOC       TOC            4       15.50         6.76         9.00         25.00
PHEN      PHEN          14        0.00         0.00         0.00          0.01
CYAN      CYAN           0         .            .            .             .
NH3       NH3           14        0.09         0.09         0.04          0.30
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    5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                    128
                                                                            14:10 THURSDAY, JANUARY 13, 1983
                                       LOC=WS09

VARIABLE    LABEL           N        MEAN        STANDARD        MINIMUM        MAXIMUM
                                                 DEVIATION        VALUE          VALUE

PST         PST             0          .             .              .              .
SIO2        SIO2            2        0.10          0.00           0.10           0.10
U           U               0          .             .              .              .
SUSS        SUSS            0          .             .              .              .
TH          TH              0          .             .              .              .
CS          CS              0          .             .              .              .
I           I               0          .             .              .              .
SB          SB              0          .             .              .              .
ZR          ZR              0          .             .              .              .
Y           Y               0          .             .              .              .
RB          RB              0          .             .              .              .
GE          GE              0          .             .              .              .
GA          GA              0          .             .              .              .
TI          TI              0          .             .              .              .
SC          SC              0          .             .              .              .
W           W               0          .             .              .              .
CO          CO              0          .             .              .              .
V           V               0          .             .              .              .
BE          BE              0          .             .              .              .
OH          OH              0          .             .              .              .
CH          CH              0          .             .              .              .
PA          PA              0          .             .              .              .
MA          MA              0          .             .              .              .
SCN         SCN             3        0.10          0.00           0.10           0.10
TURB        TURB            0          .             .              .              .
FF          FF              0          .             .              .              .
TSSF        TSSF            0          .             .              .              .
R228        R228            0          .             .              .              .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                    129
                                                            14:10 THURSDAY, JANUARY 13, 1983
                                   LOC=W510

VARIABLE   LABEL         N       MEAN        STANDARD       MINIMUM       MAXIMUM
                                             DEVIATION       VALUE         VALUE

TALK       TALK         15     463.93         58.77         340.00        636.00
AL         AL           15       0.17          0.23           0.10          1.00
ARS        ARS          15       0.02          0.00           0.02          0.02
FCOLIF     FCOLIF        8      56.38        102.58           1.00        276.00
BA         BA           15       0.55          0.21           0.50          1.30
HCO3       HCO3         15     434.33         75.92         310.00        636.00
BOD        BOD          15      38.64         57.90           0.40        150.00
B          B            14       0.13          0.11           0.04          0.48
BR         BR            7       0.64          0.15           0.40          0.91
TCOLIF     TCOLIF        6     425.17        832.06           1.00       2100.00
CD         CD           15       0.02          0.01           0.01          0.02
CA         CA           15      90.93         22.98          49.00        120.00
CO3        CO3          15      29.80         33.33           1.00         96.00
CL         CL           15      13.76          9.40           8.00         47.00
CR         CR           15       0.02          0.00           0.02          0.02
COD        COD          15      11.54         17.21           0.10         50.00
CU         CU           15       0.03          0.02           0.02          0.10
DO         DO           10       6.97          2.56           3.00         11.20
DOC        DOC           3       6.67          9.81           1.00         18.00
LAS        LAS           2       0.05          0.02           0.04          0.07
F          F            15       0.45          0.08           0.36          0.70
HARD       HARD         15     541.33         88.14         360.00        660.00
FE         FE           15       0.15          0.22           0.02          0.50
KJN        KJN          14       0.51          0.63           0.10          2.00
PB         PB           15       0.04          0.05           0.02          0.20
LI         LI           15       0.03          0.02           0.01          0.05
MG         MG           15      72.00         19.54          13.00        100.00
MN         MN           15       0.03          0.02           0.02          0.10
HG         HG           15       0.01          0.01           0.00          0.02
MOLY       MOLY         15       0.02          0.02           0.01          0.10
NI         NI           15       0.02          0.02           0.02          0.08
NO3        NO3          16     301.92       1199.49           0.10       4800.00
OLGR       OLGR         15       6.35          6.45           1.00         20.00
S2O3       S2O3          2       7.50          4.95           4.00         11.00
PH         PH           10                                   7.50          8.60
K          K            15       1.74          0.83           1.00          3.80
RA         RA            6       2.20          0.88           1.00          3.00
BTR        BTR           6       5.67          2.58           2.00          8.00
RR         RR            1       0.30           .             0.30          0.30
SE         SE           12       0.01          0.01           0.01          0.02
AG         AG           17       0.02          0.05           0.01          0.20
NA         NA           15     114.67          9.90         100.00        140.00
TDS        TDS          13     718.48        410.46           0.10        970.00
SOLS       SOLS          5     910.00        118.95         710.00       1000.00
SPC        SPC          10    1281.00        120.41        1090.00       1470.00
SR         SR           14       5.04          1.54           2.00          7.30
SO4        SO4          15     339.60         55.80         240.00        440.00
TEMP       TEMP          8      11.60          3.73           6.00         18.00
ZN         ZN           14       0.03          0.02           0.02          0.10
TOC        TOC           4      23.75         26.06           5.00         62.00
PHEN       PHEN         14       0.00          0.01           0.00          0.02
CYAN       CYAN          0        .             .              .             .
NH3        NH3          14       0.11          0.12           0.04          0.50
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                    130
                                                          14:10 THURSDAY, JANUARY 13, 1983
                                  LOC=WS10

VARIABLE   LABEL            N         MEAN        STANDARD       MINIMUM       MAXIMUM
                                                  DEVIATION       VALUE         VALUE

PST        PST              0           .             .             .             .
SIO2       SIO2             0           .             .             .             .
U          U                0           .             .             .             .
SUSS       SUSS             0           .             .             .             .
TH         TH               0           .             .             .             .
CS         CS               0           .             .             .             .
I          I                0           .             .             .             .
SB         SB               0           .             .             .             .
ZR         ZR               0           .             .             .             .
Y          Y                0           .             .             .             .
RB         RB               0           .             .             .             .
GE         GE               0           .             .             .             .
GA         GA               0           .             .             .             .
TI         TI               0           .             .             .             .
SC         SC               0           .             .             .             .
W          W                0           .             .             .             .
CO         CO               0           .             .             .             .
V          V                0           .             .             .             .
BE         BE               0           .             .             .             .
OH         OH               0           .             .             .             .
CH         CH               0           .             .             .             .
PA         PA               0           .             .             .             .
MA         MA               0           .             .             .             .
SCN        SCN              3         0.10          0.00          0.10          0.10
TURB       TURB             0           .             .             .             .
FF         FF               0           .             .             .             .
TSSF       TSSF             0           .             .             .             .
R228       R228             0           .             .             .             .
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         5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                 131
                                                                                  14:10 THURSDAY, JANUARY 13, 1983
                                          LOC=WS11

VARIABLE    LABEL              N         MEAN      STANDARD       MINIMUM       MAXIMUM
                                                   DEVIATION        VALUE         VALUE

TALK        TALK               6       466.67        10.33        450.00        480.00
AL          AL                 6         0.10         0.00          0.10          0.10
ARS         ARS                6         0.02         0.00          0.02          0.02
FCOLIF      FCOLIF             3        57.33        59.75          1.00        120.00
BA          BA                 6         0.50         0.00          0.50          0.50
HCO3        HCO3               6       450.00        20.98        420.00        470.00
BOD         BOD                6        81.50        66.55         10.00        150.00
B           B                  6         0.13         0.05          0.10          0.20
BR          BR                 2         0.65         0.07          0.60          0.70
TCOLIF      TCOLIF             3        93.33        72.59         16.00        160.00
CD          CD                 6         0.01         0.00          0.01          0.01
CA          CA                 6        99.50        24.48         66.00        120.00
CO3         CO3                6        17.67        26.20          1.00         58.00
CL          CL                 6        10.83         1.17         10.00         13.00
CR          CR                 6         0.02         0.00          0.02          0.02
COD         COD                6        18.17        24.73          1.00         50.00
CU          CU                 6         0.02         0.00          0.02          0.02
DO          DO                 6         7.07         2.16          3.30          9.80
DOC         DOC                0          .            .             .             .
LAS         LAS                0          .            .             .             .
F           F                  6         0.45         0.05          0.40          0.50
HARD        HARD               6       586.67        90.48        410.00        670.00
FE          FE                 6         0.02         0.01          0.02          0.03
KJN         KJN                6         0.28         0.45          0.10          1.20
PB          PB                 6         0.02         0.00          0.02          0.02
LI          LI                 6         0.05         0.00          0.05          0.05
MG          MG                 6        76.17         8.82         59.00         84.00
MN          MN                 6         0.02         0.00          0.02          0.02
HG          HG                 6         0.00         0.00          0.00          0.00
MOLY        MOLY               6         0.01         0.00          0.01          0.01
NI          NI                 6         0.02         0.00          0.02          0.02
NO3         NO3                6         1.55         0.44          0.80          2.00
OLGR        OLGR               6         4.83         4.45          1.00         10.00
S2O3        S2O3               0          .            .             .             .
PH          PH                 6                                    6.70          8.10
K           K                  6         2.23         1.31          1.10          4.60
RA          RA                 2         1.50         0.71          1.00          2.00
BTR         BTR                3         7.00         5.20          1.00         10.00
RR          RR                 0          .            .             .             .
SE          SE                 6         0.01         0.00          0.01          0.01
AG          AG                 6         0.01         0.00          0.01          0.01
NA          NA                 6       118.33         7.53        110.00        130.00
TDS         TDS                6       933.33        17.51        910.00        960.00
SOLS        SOLS               0          .            .             .             .
SPC         SPC                6      1230.00       103.15       1080.00       1370.00
SR          SR                 5         4.98         1.81          3.00          7.40
SO4         SO4                6       316.67        47.61        240.00        380.00
TEMP        TEMP               5        11.66         4.88          6.00         18.00
ZN          ZN                 6         0.02         0.01          0.02          0.03
TOC         TOC                0          .            .             .             .
PHEN        PHEN               6         0.00         0.00          0.00          0.00
CYAN        CYAN               0          .            .             .             .
NH3         NH3                6         0.04         0.00          0.04          0.04
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                   132
                                                                             14:10 THURSDAY, JANUARY 13, 1983
                                        LOC=WS11

VARIABLE   LABEL           N         MEAN        STANDARD       MINIMUM       MAXIMUM
                                                 DEVIATION       VALUE         VALUE

PST        PST             0           .             .             .             .
SIO2       SIO2            0           .             .             .             .
U          U               0           .             .             .             .
SUSS       SUSS            0           .             .             .             .
TH         TH              0           .             .             .             .
CS         CS              0           .             .             .             .
I          I               0           .             .             .             .
SB         SB              0           .             .             .             .
ZR         ZR              0           .             .             .             .
Y          Y               0           .             .             .             .
RB         RB              0           .             .             .             .
GE         GE              0           .             .             .             .
GA         GA              0           .             .             .             .
TI         TI              0           .             .             .             .
SC         SC              0           .             .             .             .
W          W               0           .             .             .             .
CO         CO              0           .             .             .             .
V          V               0           .             .             .             .
BE         BE              0           .             .             .             .
OH         OH              0           .             .             .             .
CH         CH              0           .             .             .             .
PA         PA              0           .             .             .             .
MA         MA              0           .             .             .             .
SCN        SCN             3         0.10          0.00          0.10          0.10
TURB       TURB            0           .             .             .             .
FF         FF              0           .             .             .             .
TSSF       TSSF            0           .             .             .             .
R228       R228            0           .             .             .             .
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                                  LOC=WS12

VARIABLE   LABEL          N        MEAN       STANDARD      MINIMUM       MAXIMUM
                                              DEVIATION      VALUE         VALUE

TALK       TALK           6       618.33        104.00       470.00        730.00
AL         AL             6         0.10          0.00         0.10          0.10
ARS        ARS            6         0.02          0.00         0.02          0.02
FCOLIF     FCOLIF         3       147.33        253.46         1.00        440.00
BA         BA             6         0.50          0.00         0.50          0.50
HCO3       HCO3           6       583.33         85.01       470.00        660.00
BOD        BOD            6       113.67        110.43        10.00        300.00
B          B              6         0.37          0.10         0.20          0.50
BR         BR             2         0.30          0.28         0.10          0.50
TCOLIF     TCOLIF         3       169.67        256.66        18.00        466.00
CD         CD             6         0.01          0.00         0.01          0.01
CA         CA             6        83.17         14.37        57.00        100.00
CO3        CO3            6        34.67         37.06         1.00        100.00
CL         CL             6        11.08          1.28         9.50         13.00
CR         CR             6         0.02          0.00         0.02          0.02
COD        COD            6        22.67         22.57         1.00         50.00
CU         CU             6         0.02          0.00         0.02          0.02
DO         DO             6         7.22          2.35         2.80          9.40
DOC        DOC            0          .             .            .             .
LAS        LAS            0          .             .            .             .
F          F              6         2.05          1.83         0.50          5.30
HARD       HARD           6       500.00         89.22       360.00        630.00
FE         FE             6         0.02          0.00         0.02          0.02
KJN        KJN            6         0.17          0.12         0.10          0.40
PB         PB             6         0.02          0.00         0.02          0.02
LI         LI             6         0.05          0.00         0.05          0.05
MG         MG             6        69.00         10.83        52.00         81.00
MN         MN             6         0.02          0.00         0.02          0.02
HG         HG             6         0.00          0.00         0.00          0.00
MOLY       MOLY           6         0.02          0.00         0.01          0.02
NI         NI             6         0.02          0.00         0.02          0.02
NO3        NO3            6         4.40          1.32         3.00          6.10
OLGR       OLGR           6         5.00          3.90         2.00         10.00
S2O3       S2O3           0          .             .            .             .
PH         PH             6                                    7.30          8.20
K          K              6         3.30          1.34         1.90          5.80
RA         RA             3         4.67          1.15         4.00          6.00
BTR        BTR            2         8.00          0.00         8.00          8.00
RR         RR             1         0.20           .           0.20          0.20
SE         SE             6         0.01          0.00         0.01          0.01
AG         AG             6         0.01          0.00         0.01          0.01
NA         NA             6       203.33         59.55       120.00        260.00
TDS        TDS            6      1020.00         64.81       950.00       1100.00
SOLS       SOLS           0          .             .            .             .
SPC        SPC            6      1375.00        107.28      1220.00       1500.00
SR         SR             5         3.96          1.36         2.40          5.90
SO4        SO4            6       230.00         20.00       200.00        250.00
TEMP       TEMP           5        14.06          3.74         8.00         18.00
ZN         ZN             6         0.02          0.00         0.02          0.03
TOC        TOC            0          .             .            .             .
PHEN       PHEN           6         0.00          0.00         0.00          0.01
CYAN       CYAN           0          .             .            .             .
NH3        NH3            6         0.04          0.00         0.04          0.04
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        5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                            134
                                                                              14:10 THURSDAY, JANUARY 13, 1983
                                           LOC=WS12

VARIABLE   LABEL              N         MEAN        STANDARD       MINIMUM        MAXIMUM
                                                    DEVIATION       VALUE          VALUE

PST        PST                0          .              .              .              .
SIO2       SIO2               0          .              .              .              .
U          U                  0          .              .              .              .
SUSS       SUSS               0          .              .              .              .
TH         TH                 0          .              .              .              .
CS         CS                 0          .              .              .              .
I          I                  0          .              .              .              .
SB         SB                 0          .              .              .              .
ZR         ZR                 0          .              .              .              .
Y          Y                  0          .              .              .              .
RB         RB                 0          .              .              .              .
GE         GE                 0          .              .              .              .
GA         GA                 0          .              .              .              .
TI         TI                 0          .              .              .              .
SC         SC                 0          .              .              .              .
W          W                  0          .              .              .              .
CO         CO                 0          .              .              .              .
V          V                  0          .              .              .              .
BE         BE                 0          .              .              .              .
OH         OH                 0          .              .              .              .
CH         CH                 0          .              .              .              .
PA         PA                 0          .              .              .              .
MA         MA                 0          .              .              .              .
SCN        SCN                3         0.10           0.00           0.10           0.10
TURB       TURB               0          .              .              .              .
FF         FF                 0          .              .              .              .
TSSF       TSSF               0          .              .              .              .
R228       R228               0          .              .              .              .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                    135
                                                                          14:10 THURSDAY, JANUARY 13, 1983
                                       LOC=#536

VARIABLE    LABEL              N        MEAN        STANDARD       MINIMUM        MAXIMUM
                                                    DEVIATION       VALUE          VALUE

TALK        TALK               7       431.43          6.90         420.00         440.00
AL          AL                 7         0.10          0.00           0.10           0.10
ARS         ARS                7         0.02          0.00           0.02           0.02
FCOLIF      FCOLIF             4      1052.25       2093.50           1.00        4200.00
BA          BA                 7         0.50          0.00           0.50           0.50
HCO3        HCO3               7       351.43         23.40         310.00         380.00
BOD         BOD                7        96.29        102.16           2.00         280.00
B           B                  7         0.14          0.08           0.10           0.30
BR          BR                 2         0.70          0.00           0.70           0.70
TCOLIF      TCOLIF             4      1205.00       2265.11           9.00        4600.00
CD          CD                 7         0.01          0.00           0.01           0.01
CA          CA                 7        98.29         16.39          64.00         110.00
CO3         CO3                7        78.86         23.77          46.00         120.00
CL          CL                 7        12.20         14.46           6.40          45.00
CR          CR                 7         0.02          0.00           0.01           0.02
COD         COD                7        17.00         23.02           1.00          50.00
CU          CU                 7         0.02          0.00           0.02           0.02
DO          DO                 7         7.63          2.22           3.20          10.40
DOC         DOC                1         8.00           .             8.00           8.00
LAS         LAS                0          .             .              .              .
F           F                  7         0.34          0.10           0.20           0.50
HARD        HARD               7       568.57         69.39         420.00         620.00
FE          FE                 7         0.02          0.00           0.02           0.03
KJN         KJN                7         0.16          0.15           0.10           0.50
PB          PB                 7         0.02          0.00           0.02           0.02
LI          LI                 7         0.05          0.00           0.05           0.05
MG          MG                 7        78.29          7.34          63.00          86.00
MN          MN                 7         0.02          0.00           0.02           0.02
HG          HG                 7         0.00          0.00           0.00           0.00
MOLY        MOLY               7         0.01          0.00           0.01           0.01
NI          NI                 7         0.02          0.00           0.02           0.02
NO3         NO3                7         3.37          2.99           1.60          10.00
OLGR        OLGR               7         4.14          4.14           1.00          10.00
S2O3        S2O3               0          .             .              .              .
PH          PH                 7                                      7.60           8.60
K           K                  7         2.09          1.07           1.20           4.20
RA          RA                 4         4.85          2.12           3.40           8.00
BTR         BTR                3         4.00          1.00           3.00           5.00
RR          RR                 1         0.30           .             0.30           0.30
SE          SE                 7         0.01          0.00           0.01           0.02
AG          AG                 7         0.01          0.00           0.01           0.01
NA          NA                 7       124.29         12.72         100.00         140.00
TDS         TDS                7       944.29         23.70         910.00         980.00
SOLS        SOLS               0          .             .              .              .
SPC         SPC                7      1278.57        142.53        1060.00        1490.00
SR          SR                 6         4.47          1.48           2.60           6.60
SO4         SO4                7       325.71         39.94         280.00         390.00
TEMP        TEMP               6        14.33          4.00           8.50          19.50
ZN          ZN                 7         0.02          0.00           0.01           0.02
TOC         TOC                0          .             .              .              .
PHEN        PHEN               7         0.00          0.00           0.00           0.01
CYAN        CYAN               0          .             .              .              .
NH3         NH3                7         0.05          0.02           0.04           0.10
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                    136
                                                           14:10 THURSDAY, JANUARY 13, 1983
                                      LOC=W536

VARIABLE    LABEL              N         MEAN        STANDARD        MINIMUM        MAXIMUM
                                                     DEVIATION        VALUE          VALUE

PST         PST                0           .             .              .              .
SIO2        SIO2               0           .             .              .              .
U           U                  0           .             .              .              .
SUSS        SUSS               0           .             .              .              .
TH          TH                 0           .             .              .              .
CS          CS                 0           .             .              .              .
I           I                  0           .             .              .              .
SB          SB                 0           .             .              .              .
ZR          ZR                 0           .             .              .              .
Y           Y                  0           .             .              .              .
RB          RB                 0           .             .              .              .
GE          GE                 0           .             .              .              .
GA          GA                 0           .             .              .              .
TI          TI                 0           .             .              .              .
SC          SC                 0           .             .              .              .
W           W                  0           .             .              .              .
CO          CO                 0           .             .              .              .
V           V                  0           .             .              .              .
BE          BE                 0           .             .              .              .
OH          OH                 0           .             .              .              .
CH          CH                 0           .             .              .              .
PA          PA                 0           .             .              .              .
MA          MA                 0           .             .              .              .
SCN         SCN                3         0.10          0.00           0.10           0.10
TURB        TURB               0           .             .              .              .
FF          FF                 0           .             .              .              .
TSSF        TSSF               0           .             .              .              .
R228        R228               0           .             .              .              .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                   137
                                                                      14:10 THURSDAY, JANUARY 13, 1983
                                      LOC=W566

VARIABLE    LABEL          N        MEAN      STANDARD        MINIMUM        MAXIMUM
                                              DEVIATION         VALUE          VALUE

TALK        TALK           1      490.00          .           490.00         490.00
AL          AL             1        0.10          .             0.10           0.10
ARS         ARS            1        0.02          .             0.02           0.02
FCOLIF      FCOLIF         0         .            .              .              .
BA          BA             1        0.50          .             0.50           0.50
HCO3        HCO3           1      430.00          .           430.00         430.00
BOD         BOD            1        1.00          .             1.00           1.00
B           B              1        0.10          .             0.10           0.10
BR          BR             0         .            .              .              .
TCOLIF      TCOLIF         0         .            .              .              .
CD          CD             1        0.01          .             0.01           0.01
CA          CA             1       66.00          .            66.00          66.00
CO3         CO3            1       60.00          .            60.00          60.00
CL          CL             1       14.00          .            14.00          14.00
CR          CR             1        0.02          .             0.02           0.02
COD         COD            1       16.00          .            16.00          16.00
CU          CU             1        0.02          .             0.02           0.02
DO          DO             1        7.50          .             7.50           7.50
DOC         DOC            0         .            .              .              .
LAS         LAS            0         .            .              .              .
F           F              1        0.40          .             0.40           0.40
HARD        HARD           1      440.00          .           440.00         440.00
FE          FE             1        0.02          .             0.02           0.02
KJN         KJN            1        0.10          .             0.10           0.10
PB          PB             1        0.02          .             0.02           0.02
LI          LI             1        0.05          .             0.05           0.05
MG          MG             1       68.00          .            68.00          68.00
MN          MN             1        0.02          .             0.02           0.02
HG          HG             1        0.00          .             0.00           0.00
MOLY        MOLY           1        0.01          .             0.01           0.01
NI          NI             1        0.02          .             0.02           0.02
NO3         NO3            1        3.80          .             3.80           3.80
OLGR        OLGR           1        1.00          .             1.00           1.00
S2O3        S2O3           0         .            .              .              .
PH          PH             1                                    7.60           7.60
K           K              1        6.10          .             6.10           6.10
RA          RA             0         .            .              .              .
BTR         BTR            0         .            .              .              .
RR          RR             0         .            .              .              .
SE          SE             1        0.01          .             0.01           0.01
AG          AG             1        0.01          .             0.01           0.01
NA          NA             1      140.00          .           140.00         140.00
TDS         TDS            1     1100.00          .          1100.00        1100.00
SOLS        SOLS           0         .            .              .              .
SPC         SPC            1     1360.00          .          1360.00        1360.00
SR          SR             1        6.50          .             6.50           6.50
SO4         SO4            1      300.00          .           300.00         300.00
TEMP        TEMP           1       23.00          .            23.00          23.00
ZN          ZN             1        0.02          .             0.02           0.02
TOC         TOC            0         .            .              .              .
PHEN        PHEN           1        0.00          .             0.00           0.00
CYAN        CYAN           0         .            .              .              .
NH3         NH3            1        0.04          .             0.04           0.04
```

```
                                LOC=W566

VARIABLE    LABEL             N          MEAN          STANDARD       MINIMUM        MAXIMUM
                                                       DEVIATION        VALUE          VALUE

PST         PST               0             .               .             .              .
SIO2        SIO2              0             .               .             .              .
U           U                 0             .               .             .              .
SUSS        SUSS              0             .               .             .              .
TH          TH                0             .               .             .              .
CS          CS                0             .               .             .              .
I           I                 0             .               .             .              .
SB          SB                0             .               .             .              .
ZR          ZR                0             .               .             .              .
Y           Y                 0             .               .             .              .
RB          RB                0             .               .             .              .
GE          GE                0             .               .             .              .
GA          GA                0             .               .             .              .
TI          TI                0             .               .             .              .
SC          SC                0             .               .             .              .
W           W                 0             .               .             .              .
CO          CO                0             .               .             .              .
V           V                 0             .               .             .              .
BE          BE                0             .               .             .              .
OH          OH                0             .               .             .              .
CH          CH                0             .               .             .              .
PA          PA                0             .               .             .              .
MA          MA                0             .               .             .              .
SCN         SCN               0             .               .             .              .
TURB        TURB              0             .               .             .              .
FF          FF                0             .               .             .              .
TSSF        TSSF              0             .               .             .              .
R228        R228              0             .               .             .              .
```

TABLE 2.2.2.2-3

Time Series Plots

Description **Page No.**

Temperature (Deg.C)

Description	Page No.
WS01	I-303
WS02	I-304
WS04	I-305
WS06	I-306
WS07	I-307
WS08	I-308
WS09	I-309
WS10	I-310
WS11	I-311
WS12	I-312
WS36	I-313

pH (Unit)

Description	Page No.
WS01	I-314
WS02	I-315
WS04	I-316
WS06	I-317
WS07	I-318
WS08	I-319
WS09	I-320
WS10	I-321
WS11	I-322
WS12	I-323
WS36	I-324

SPC (mg/l)

Description	Page No.
WS01	I-325
WS02	I-326
WS04	I-327
WS06	I-328
WS07	I-329
WS08	I-330
WS09	I-331
WS10	I-332
WS11	I-333
WS12	I-334
WS36	I-335

TABLE 2.2.2.2-3 (Contd)

Time Series Plots

Description	Page No.
DOC (mg/l)	
WS01	I-336
WS02	I-337
WS04	I-338
WS06	I-339
WS07	I-340
WS08	I-341
WS09	I-342
WS10	I-343
Sodium (mg/l)	
WS01	I-344
WS02	I-345
WS04	I-346
WS06	I-347
WS07	I-348
WS08	I-349
WS09	I-350
WS10	I-351
WS11	I-352
WS12	I-353
WS36	I-354
Fluoride (mg/l)	
WS01	I-355
WS02	I-356
WS04	I-357
WS06	I-358
WS07	I-359
WS08	I-360
WS09	I-361
WS10	I-362
WS11	I-363
WS12	I-364
WS36	I-365
TDS (mg/l)	
WS01	I-366
WS02	I-367
WS04	I-368
WS06	I-369
WS07	I-370
WS08	I-371

TABLE 2.2.2.2-3 (Contd)

Time Series Plots

Description | Page No.

TDS (mg/l) (Contd)

Description	Page No.
WS09	I-372
WS10	I-373
WS11	I-374
WS12	I-375
WS36	I-376

Boron (mg/l)

Description	Page No.
WS01	I-377
WS02	I-378
WS04	I-379
WS06	I-380
WS07	I-381
WS08	I-382
WS09	I-383
WS10	I-384
WS11	I-385
WS12	I-386
WS36	I-387

Molybdenum (mg/l)

Description	Page No.
WS01	I-388
WS02	I-389
WS04	I-390
WS06	I-391
WS07	I-392
WS08	I-393
WS09	I-394
WS10	I-395
WS11	I-396
WS12	I-397
WS36	I-398

Sulfate (mg/l)

Description	Page No.
WS01	I-399
WS02	I-400
WS04	I-401
WS06	I-402
WS07	I-403
WS08	I-404

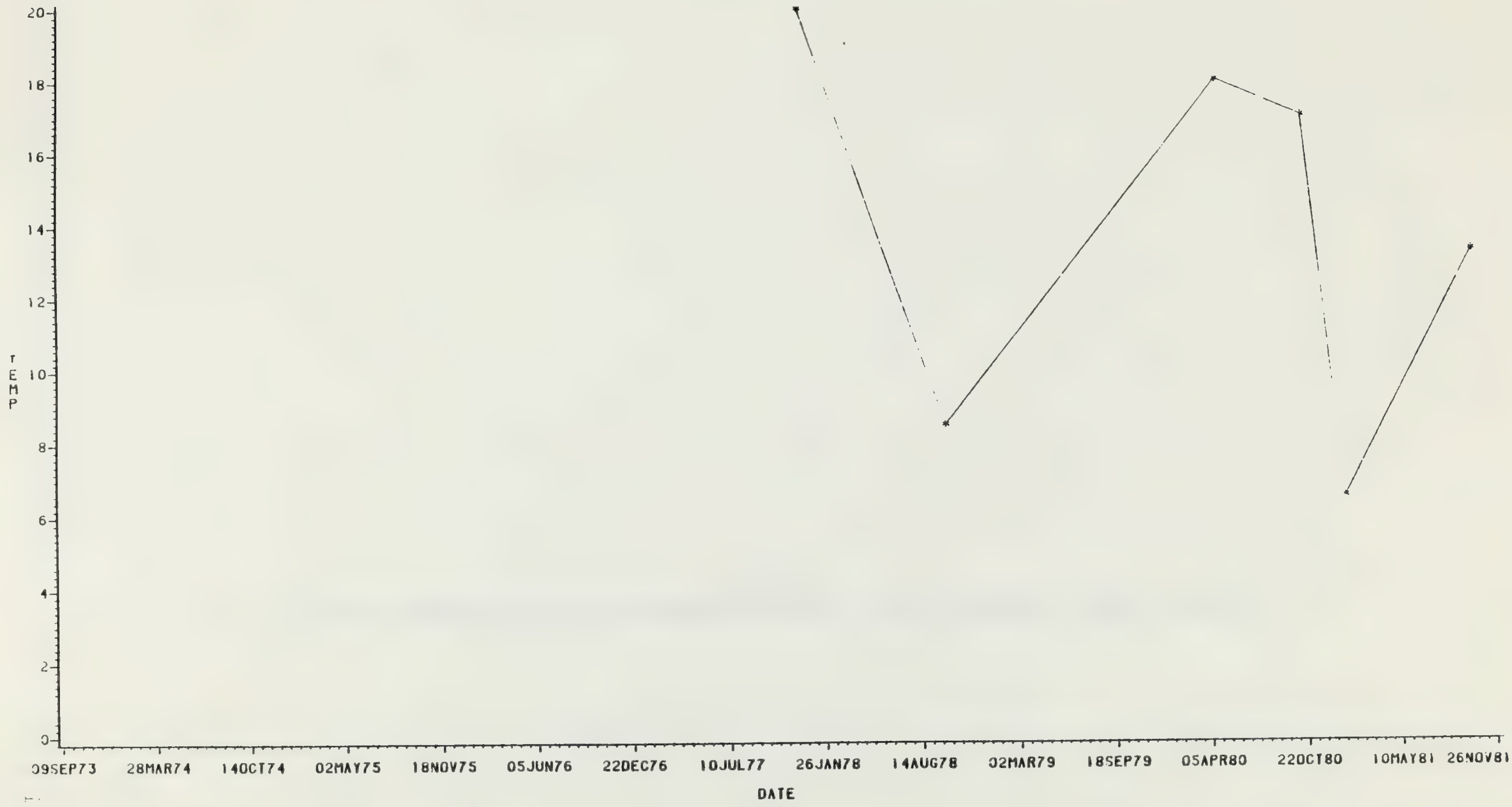
TABLE 2.2.2.2-3 (Contd)

Time Series Plots

Description	Page No.
Sulfate (mg/l) (Contd)	
WS09	I-405
WS10	I-406
WS11	I-407
WS12	I-408
WS36	I-409
Ammonia (mg/l)	
WS01	I-410
WS02	I-411
WS04	I-412
WS06	I-413
WS07	I-414
WS08	I-415
WS09	I-416
WS10	I-417
WS11	I-418
WS12	I-419
WS36	I-420
Arsenic (mg/l)	
WS01	I-421
WS02	I-422
WS04	I-423
WS06	I-424
WS07	I-425
WS08	I-426
WS09	I-427
WS10	I-428
WS11	I-429
WS12	I-430
WS36	I-431

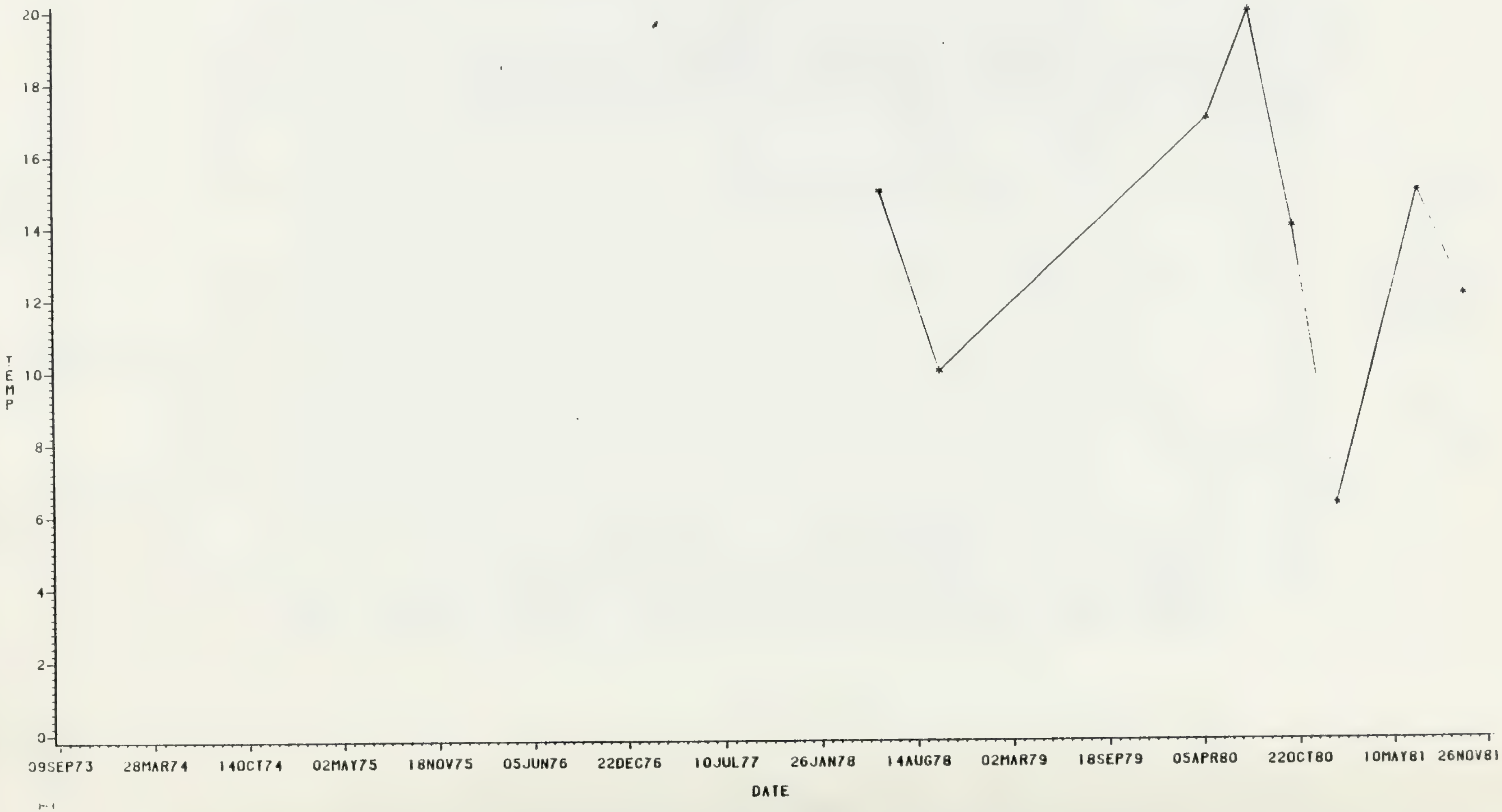
TIME SERIES PLOT OF TEMPERATURE FOR SPRINGS AND SEEPS

LOC=WS01



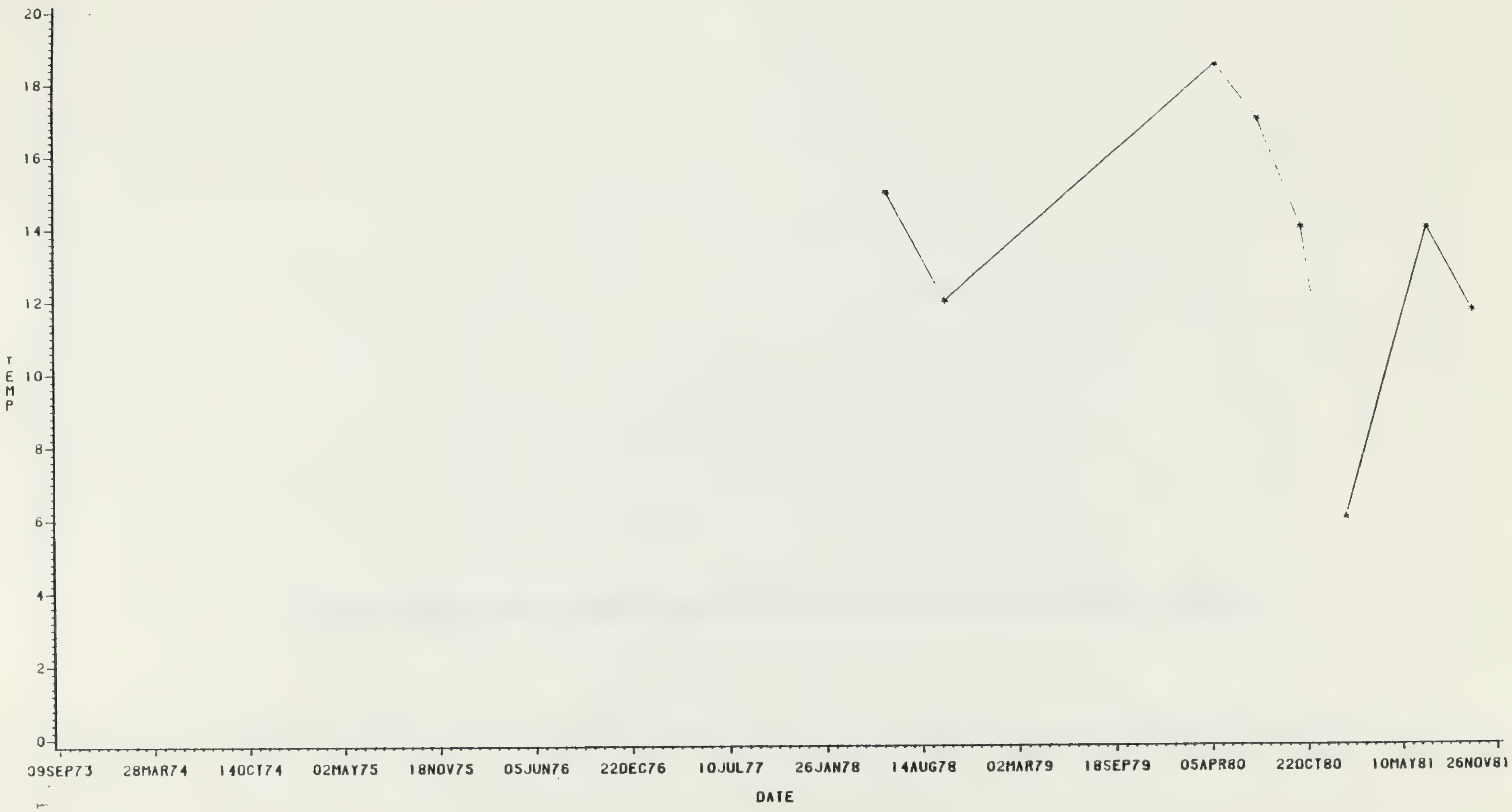
TIME SERIES PLOT OF TEMPERATURE FOR SPRINGS AND SEEPS

LOC=WS02



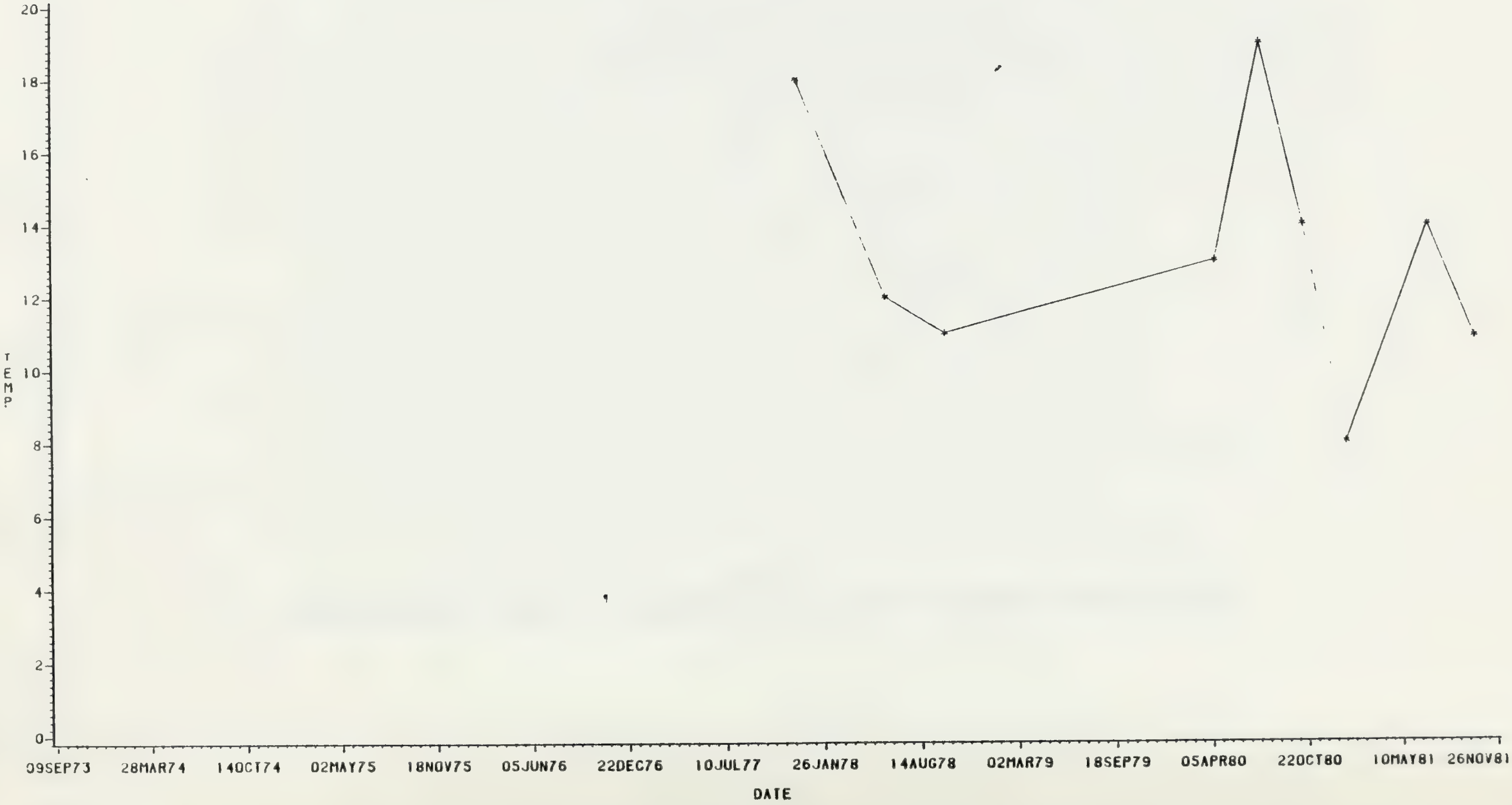
TIME SERIES PLOT OF TEMPERATURE FOR SPRINGS AND SEEPS

LOC=WS04



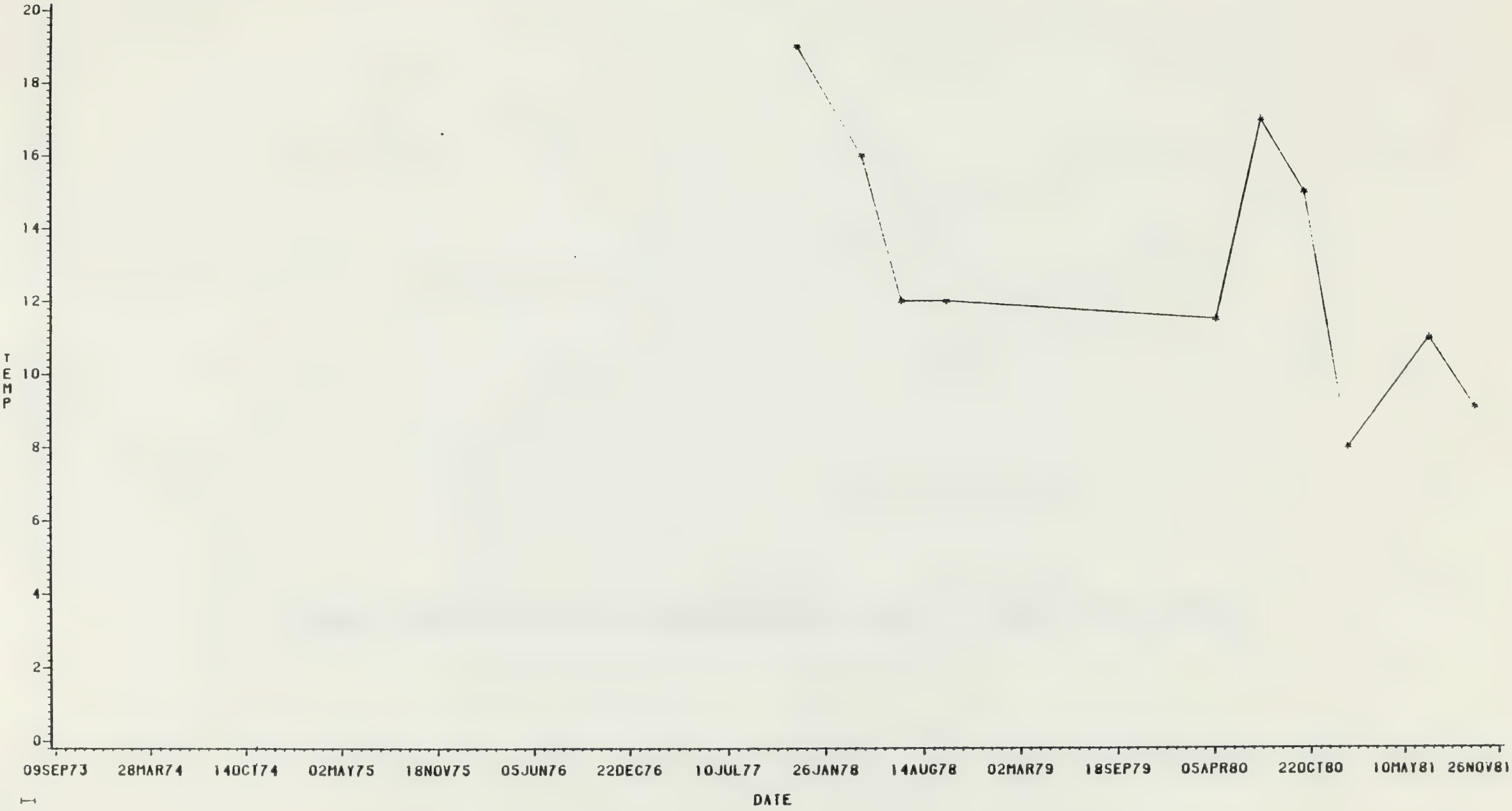
TIME SERIES PLOT OF TEMPERATURE FOR SPRINGS AND SEEPS

LOC=WS06



TIME SERIES PLOT OF TEMPERATURE FOR SPRINGS AND SEEPS

LOC=WS07



TIME SERIES PLOT OF TEMPERATURE FOR SPRINGS AND SEEPS

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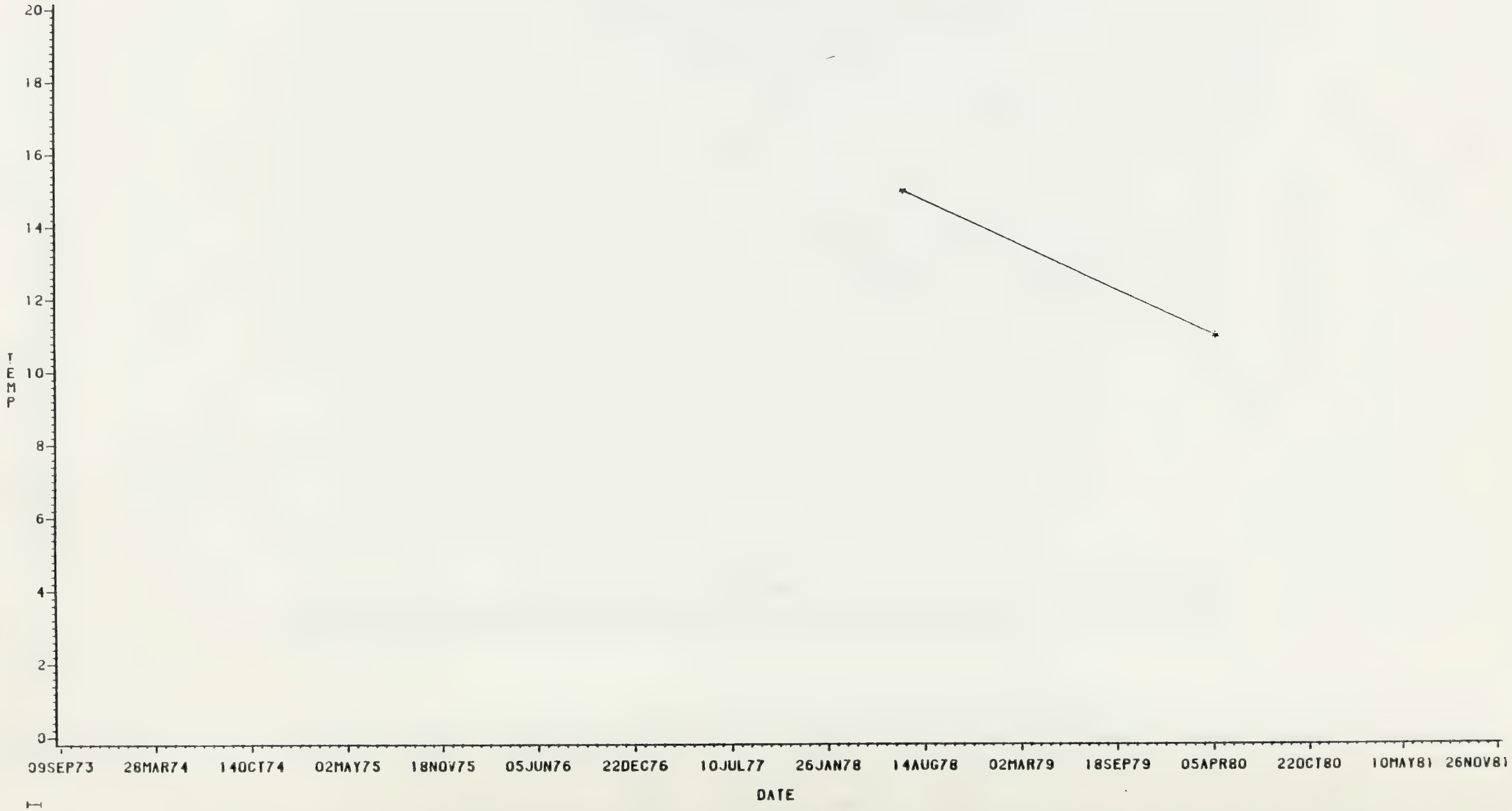

TIME SERIES PLOT OF TEMPERATURE FOR SPRINGS AND SEEPS

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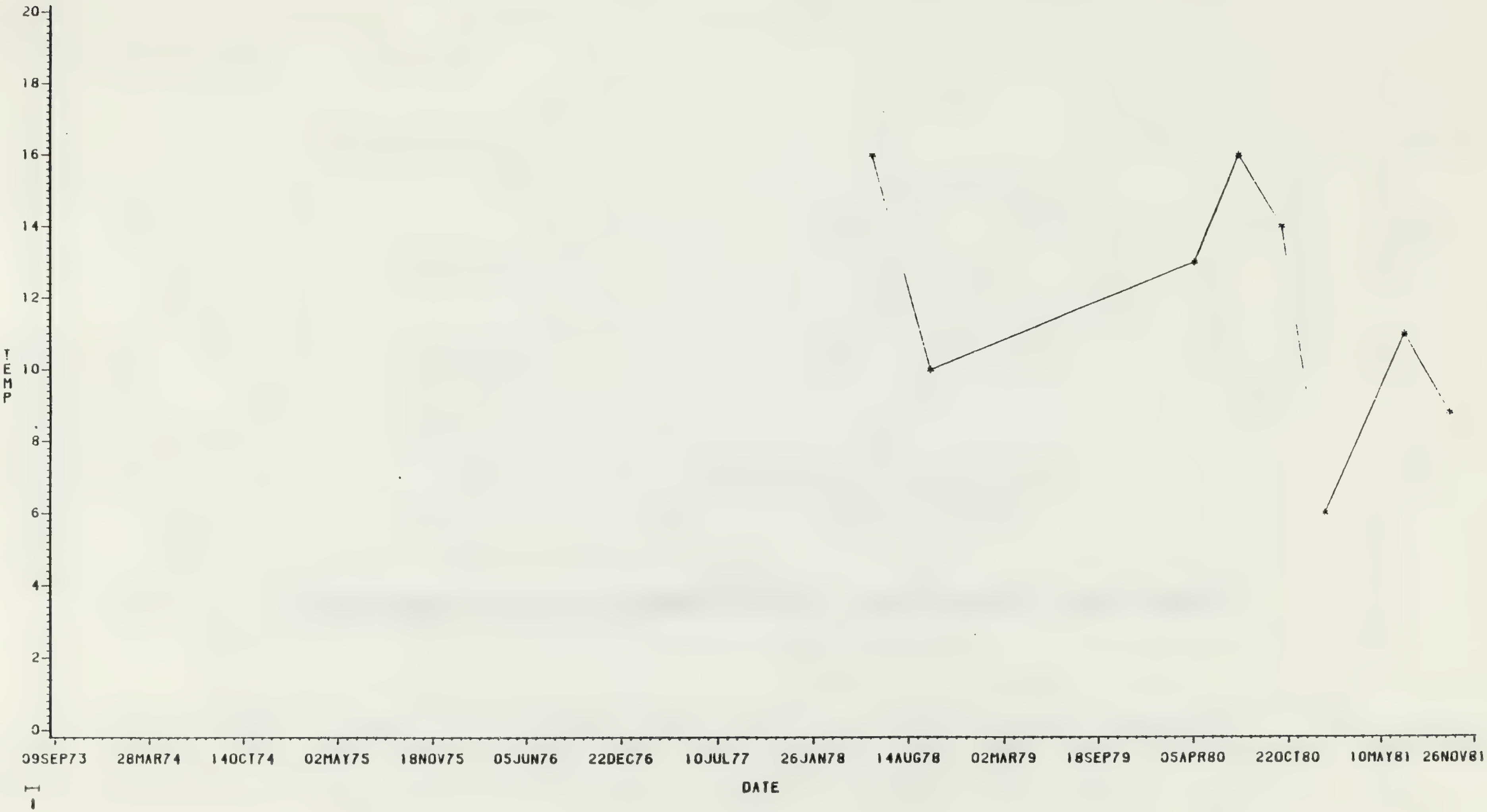

TIME SERIES PLOT OF TEMPERATURE FOR SPRINGS AND SEEPS

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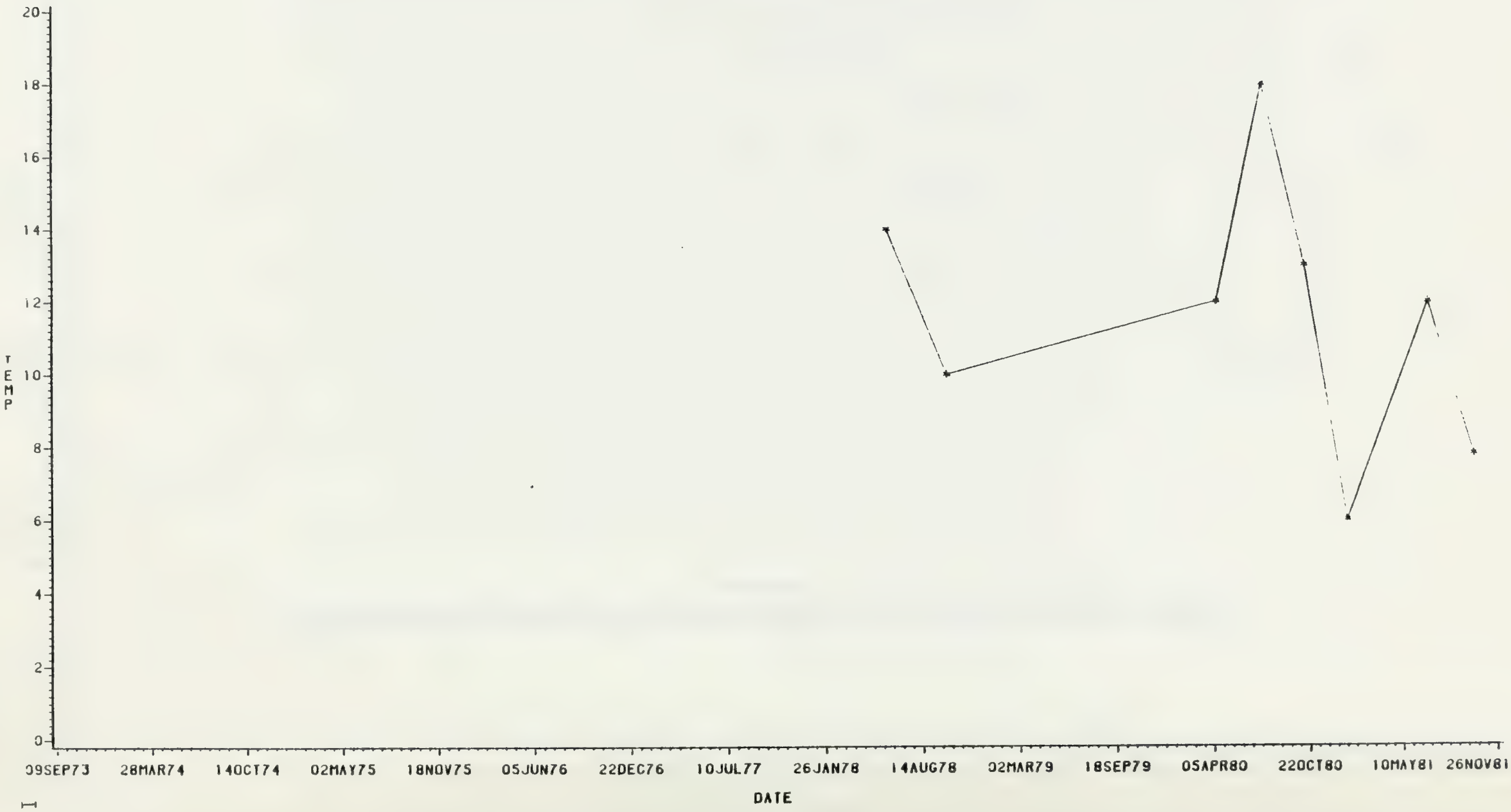

TIME SERIES PLOT OF TEMPERATURE FOR SPRINGS AND SEEPS

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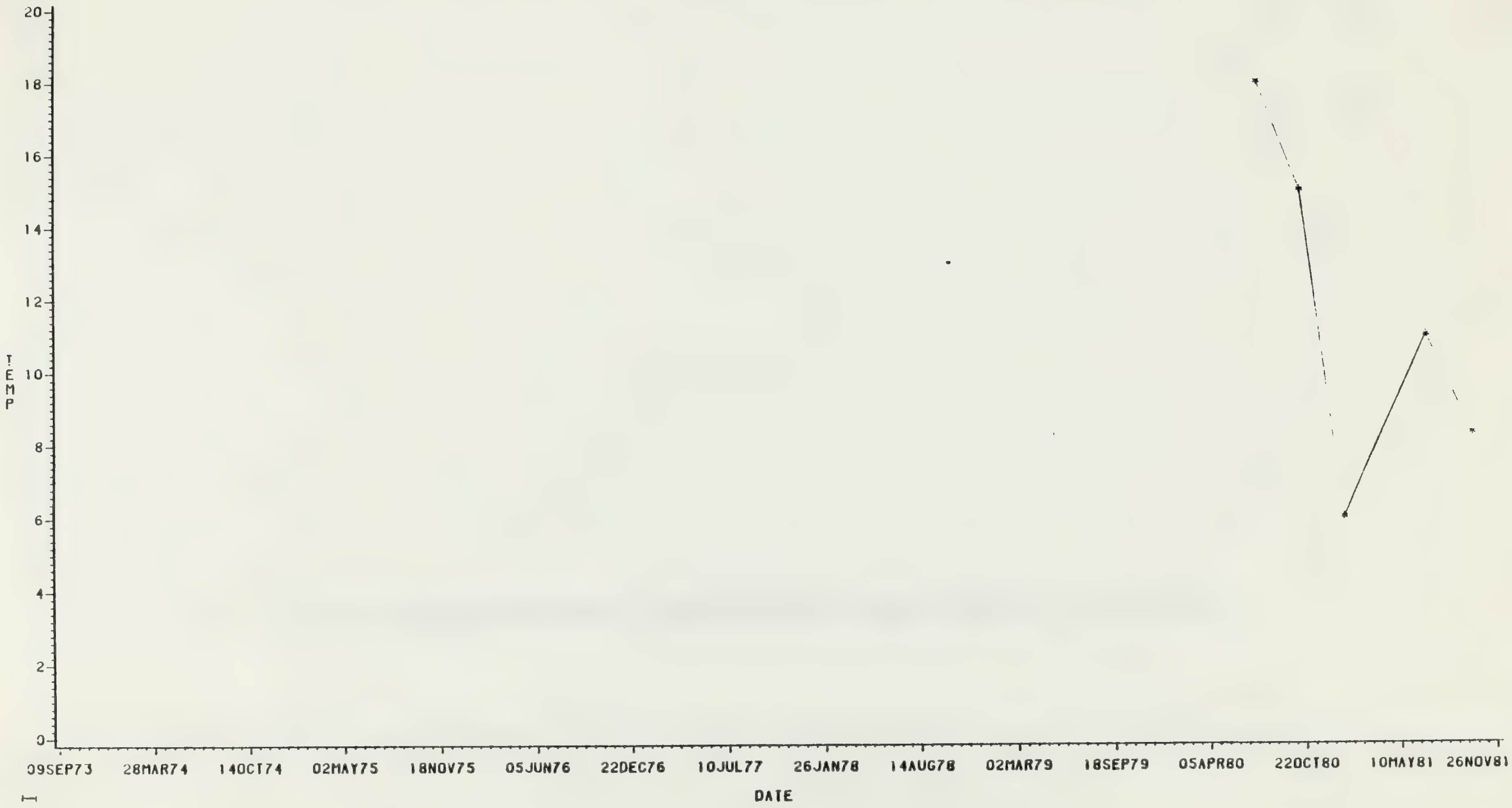

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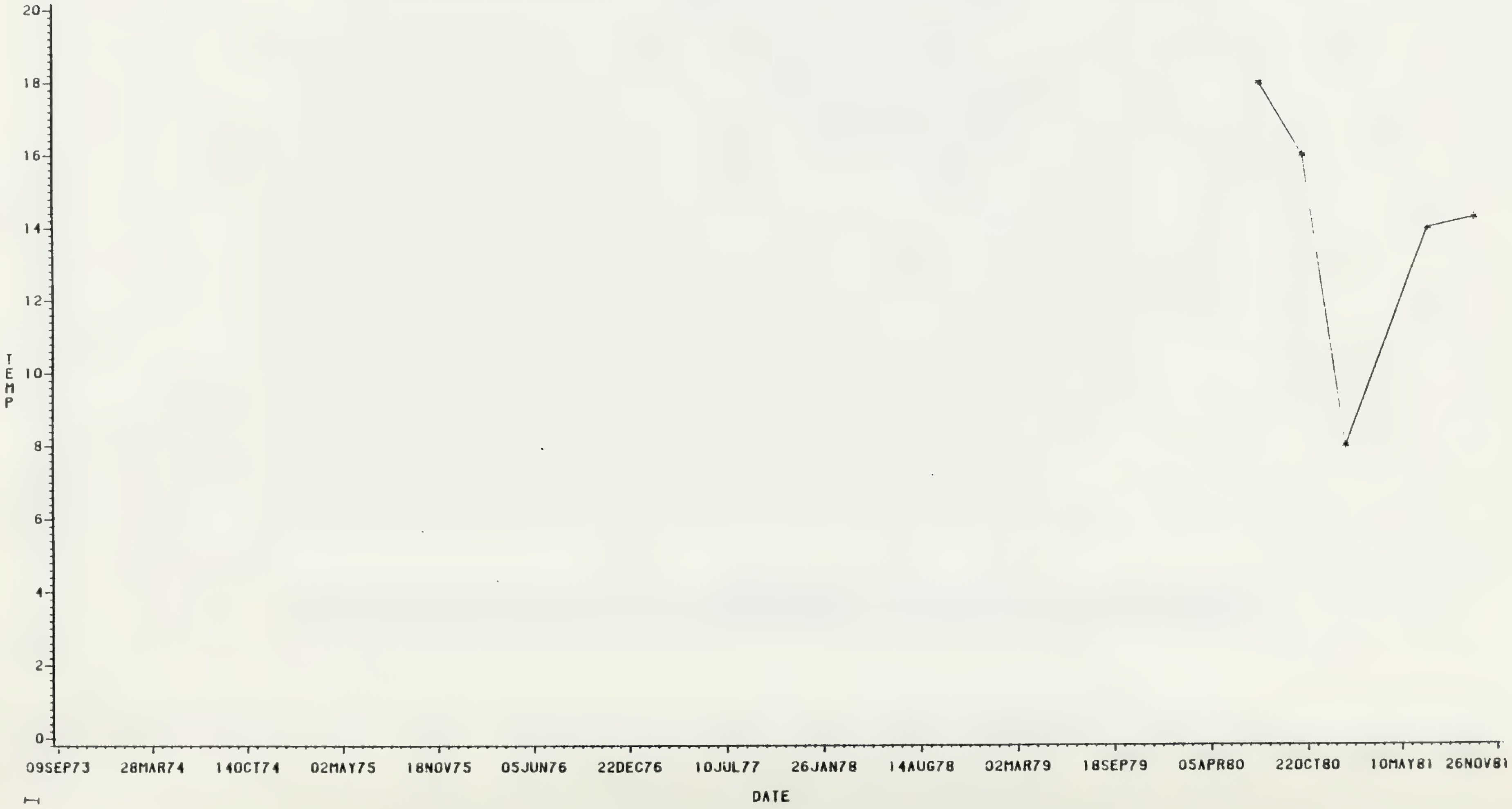
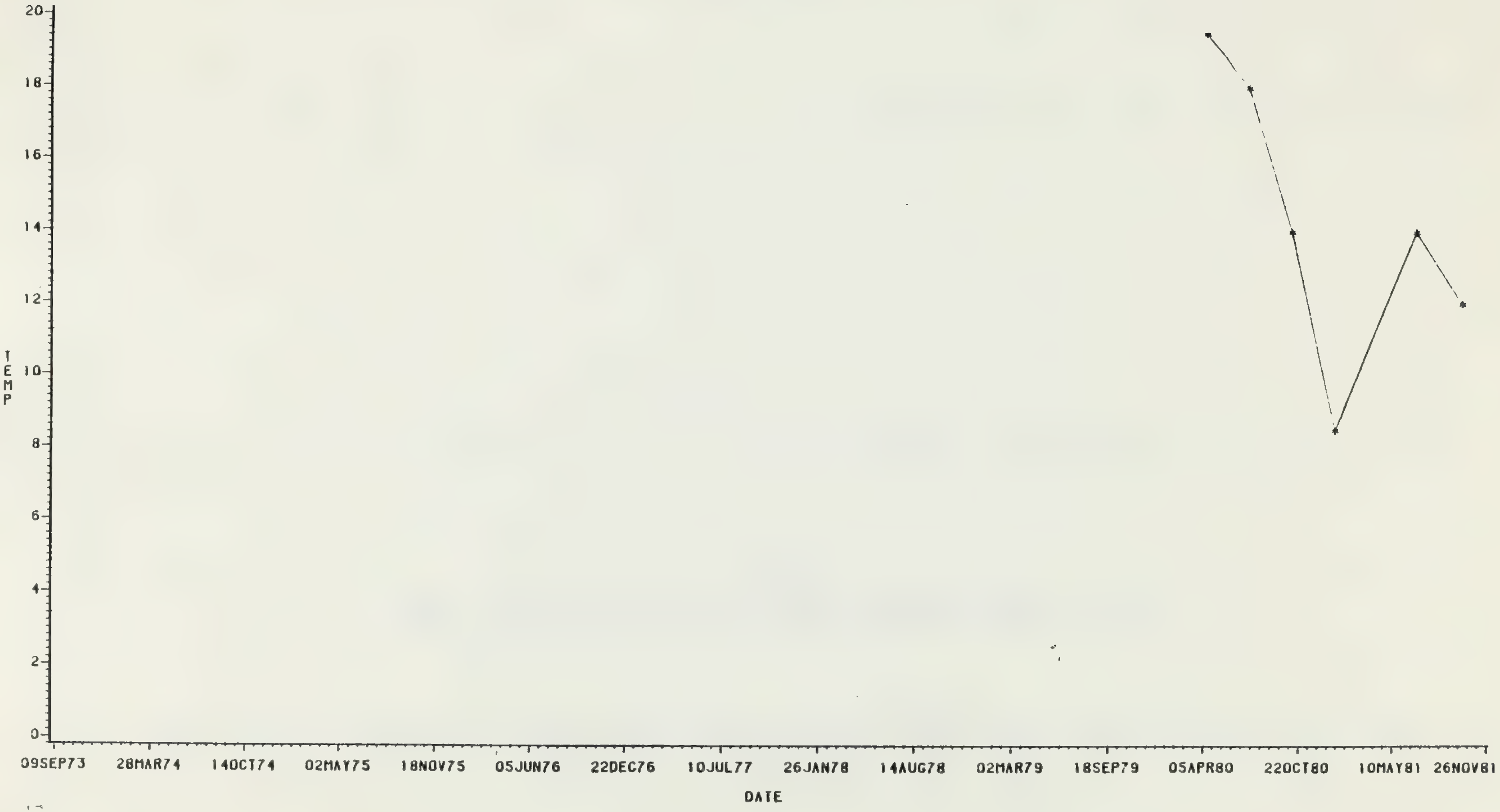


TIME SERIES PLOT OF TEMPERATURE FOR SPRINGS AND SEEPS

LOC=WS36



TIME SERIES PLOT OF PH FOR SPRINGS AND SEEPS

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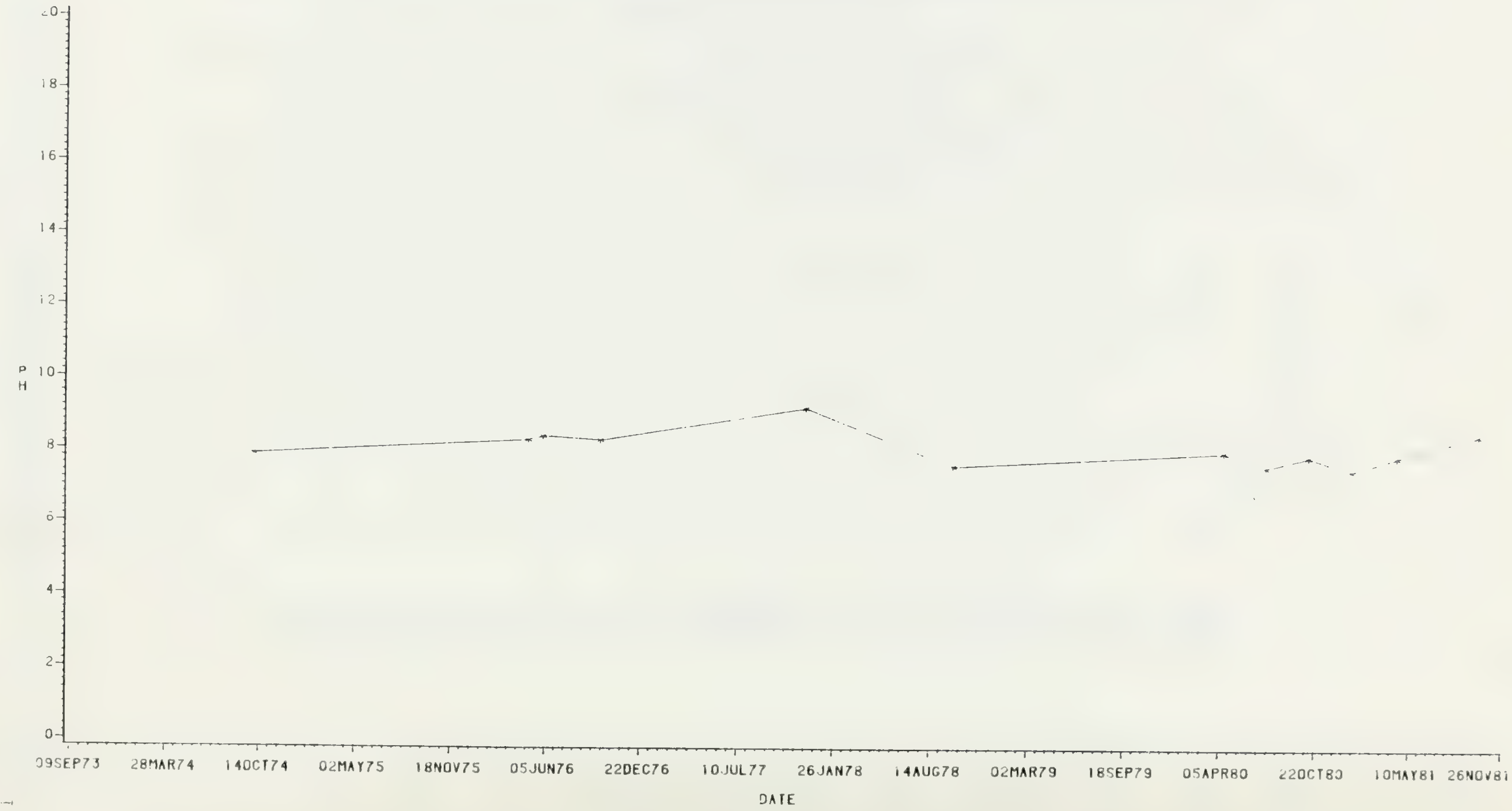
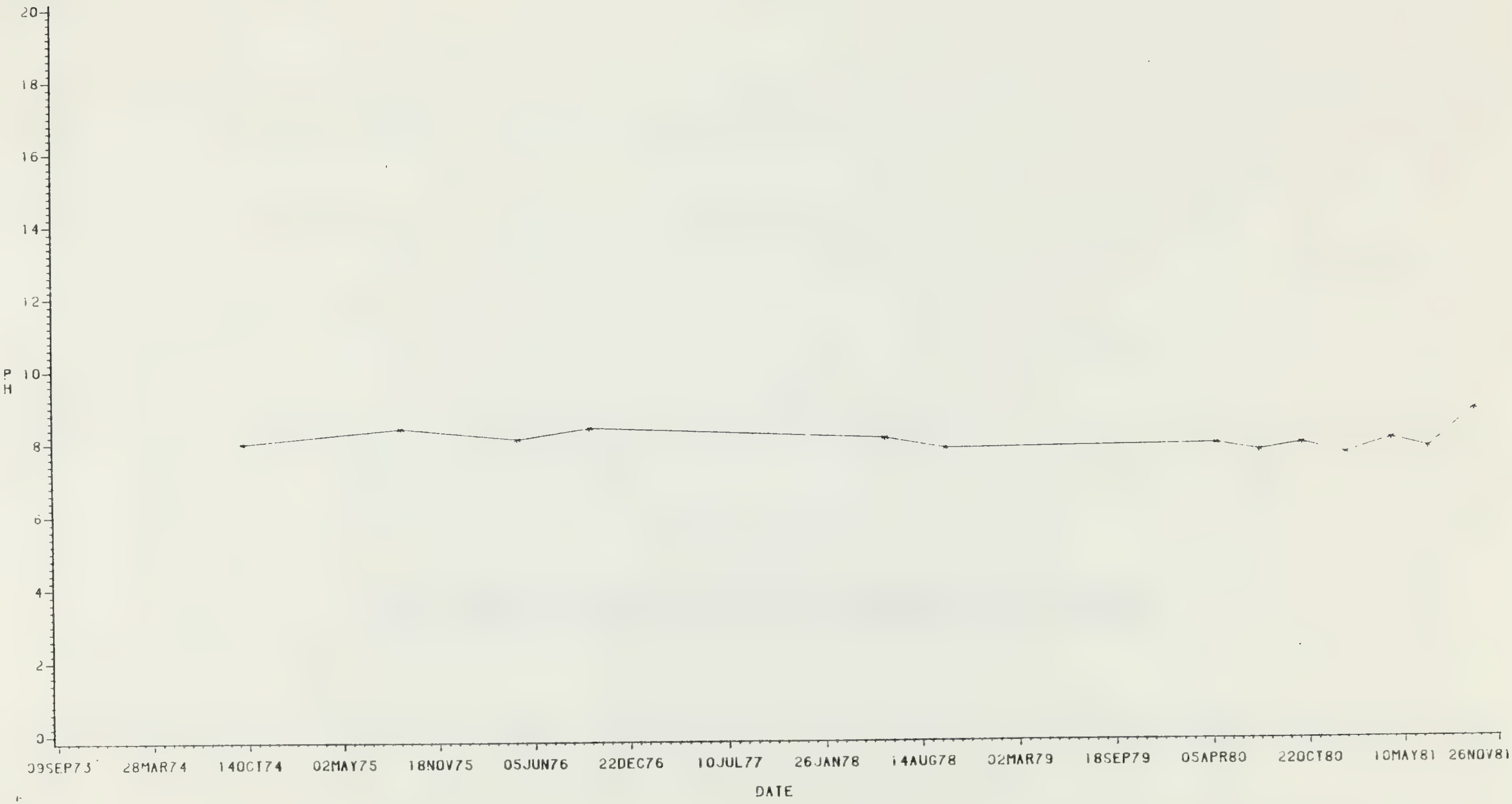


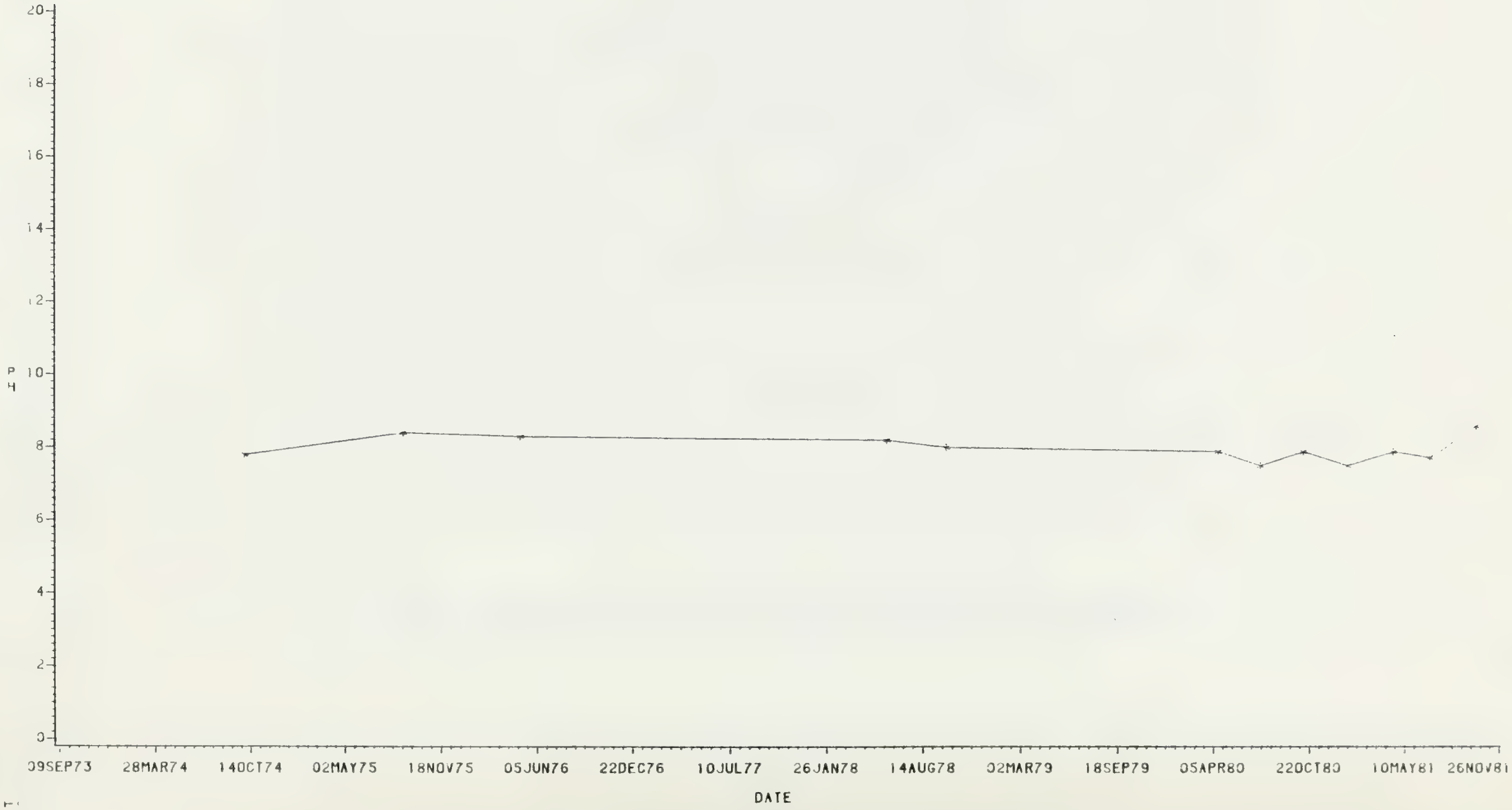
TIME SERIES PLOT OF PH FOR SPRINGS AND SEEPS

LOC=WS02



TIME SERIES PLOT OF PH FOR SPRINGS AND SEEPS

LOC=WS04



TIME SERIES PLOT OF PH FOR SPRINGS AND SEEPS

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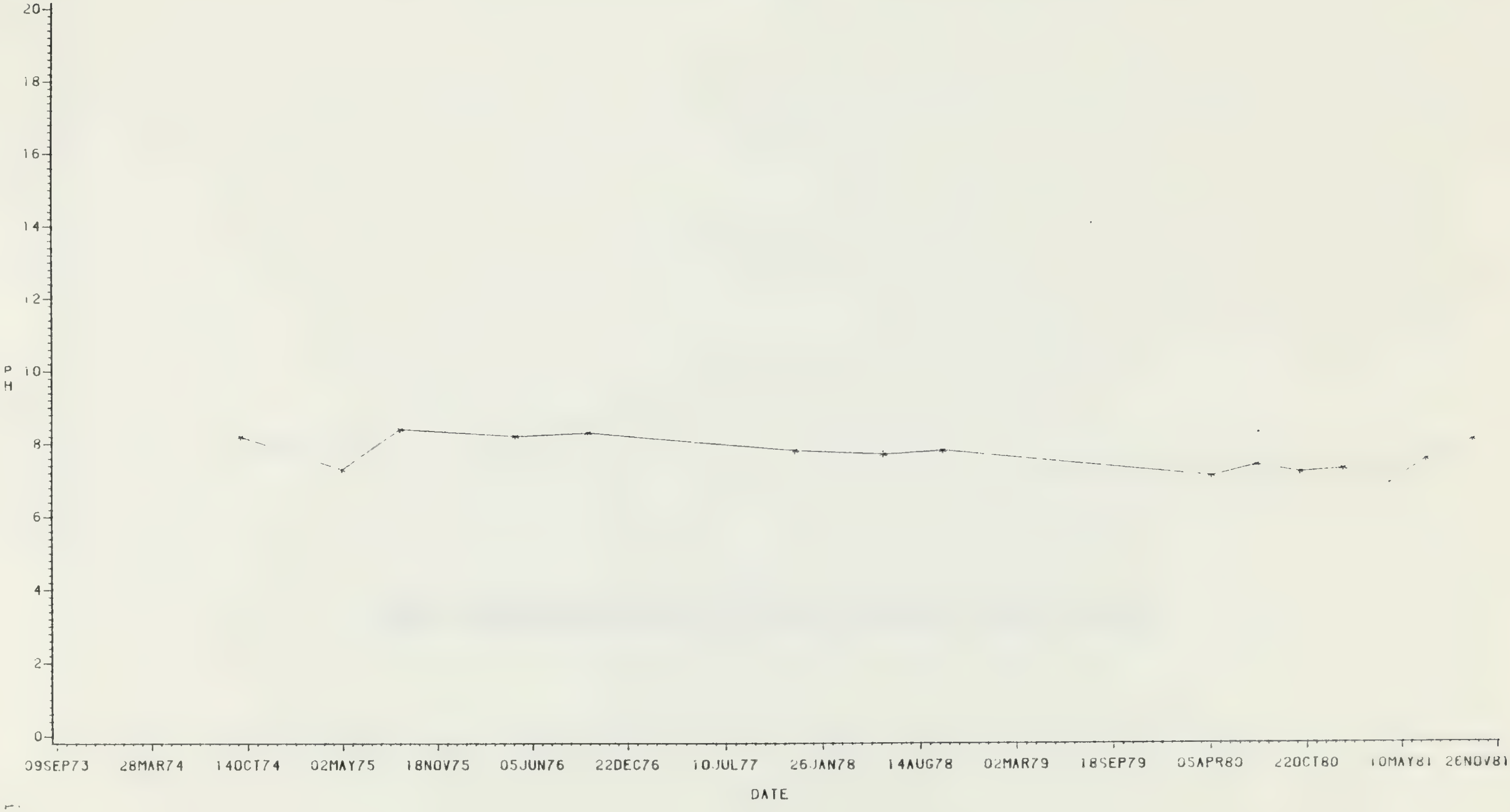
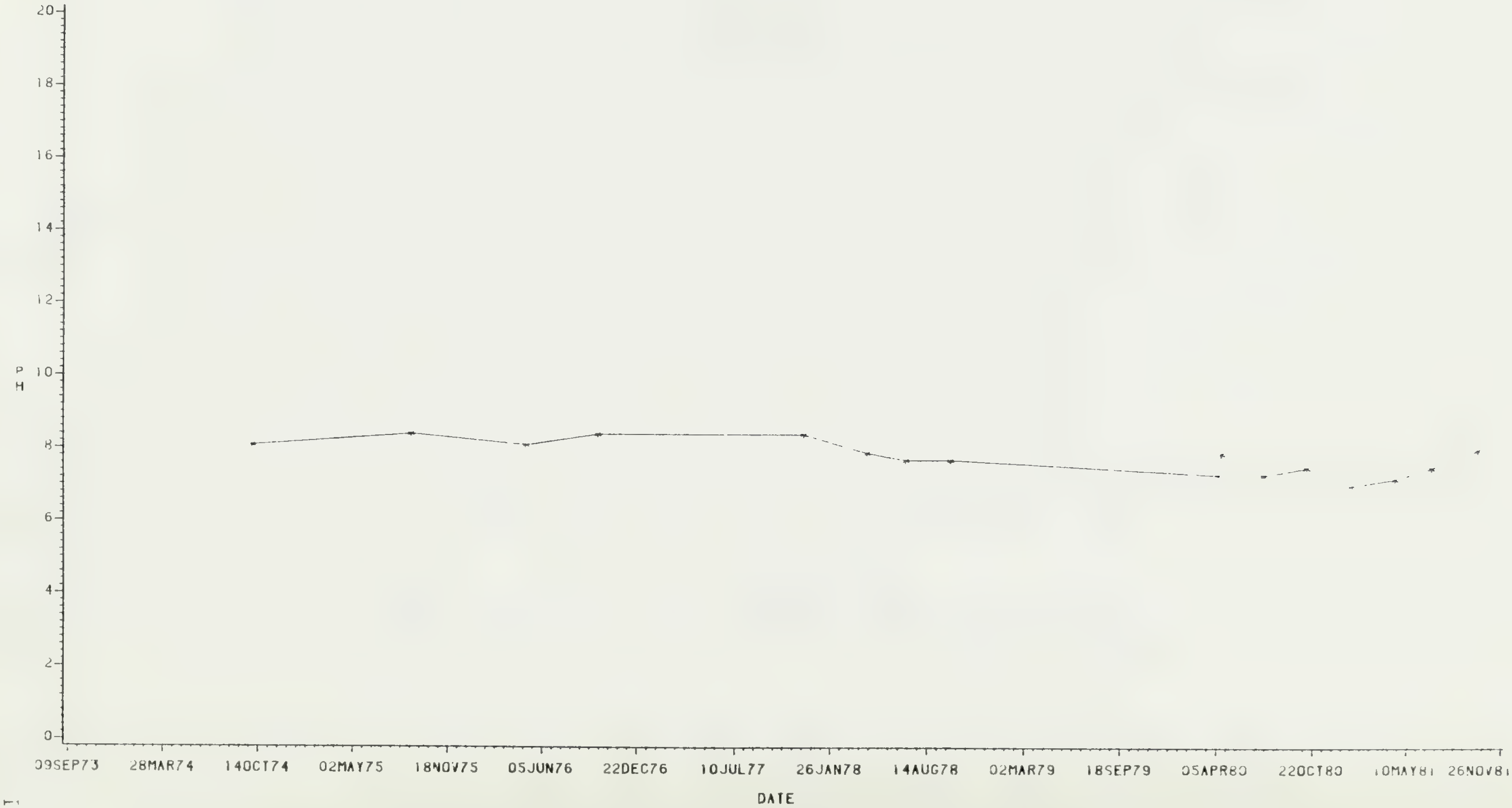


TIME SERIES PLOT OF PH FOR SPRINGS AND SEEPS

LOC=WS07



TIME SERIES PLOT OF PH FOR SPRINGS AND SEEPS

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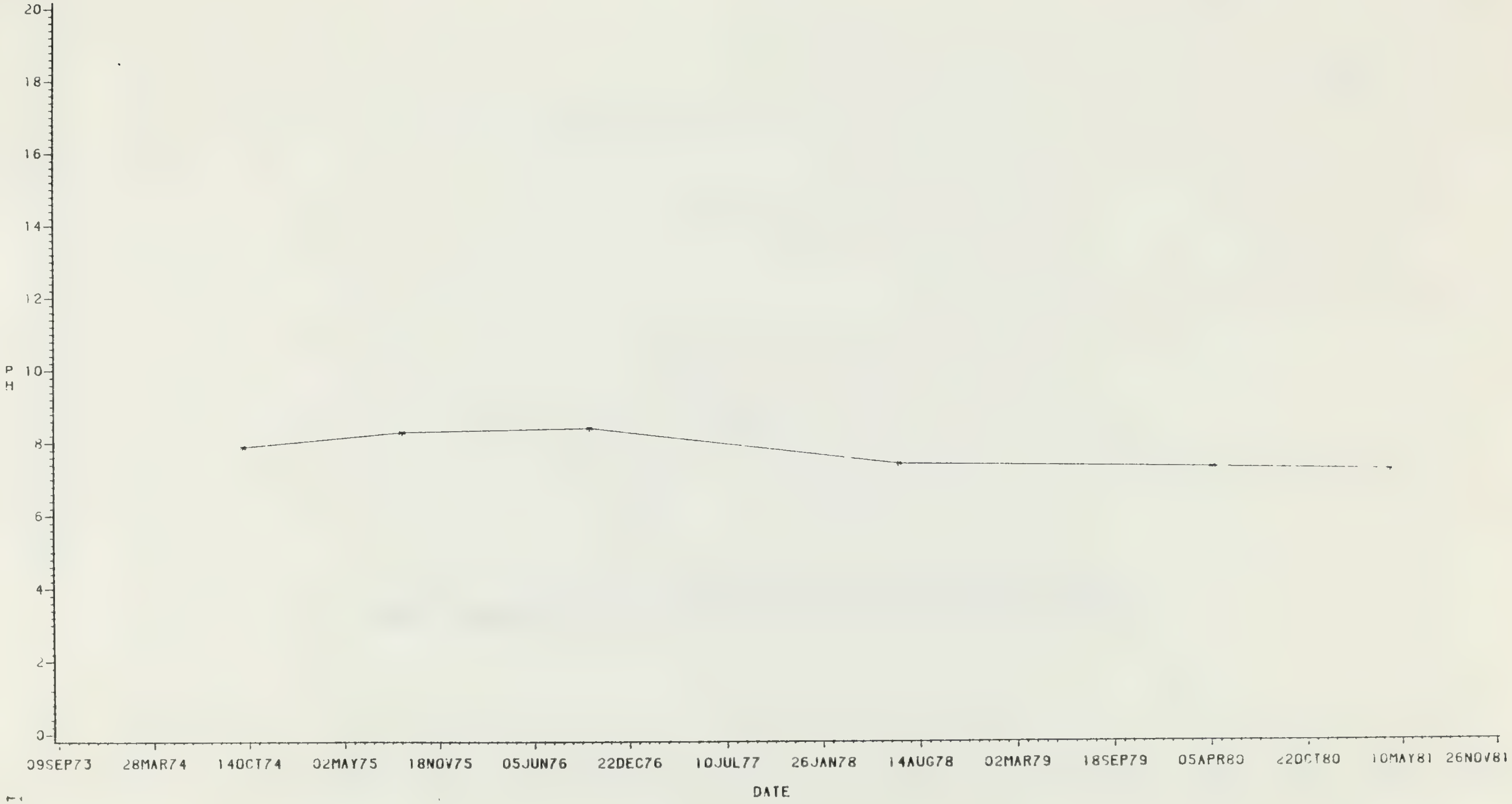

TIME SERIES PLOT OF PH FOR SPRINGS AND SEEPS

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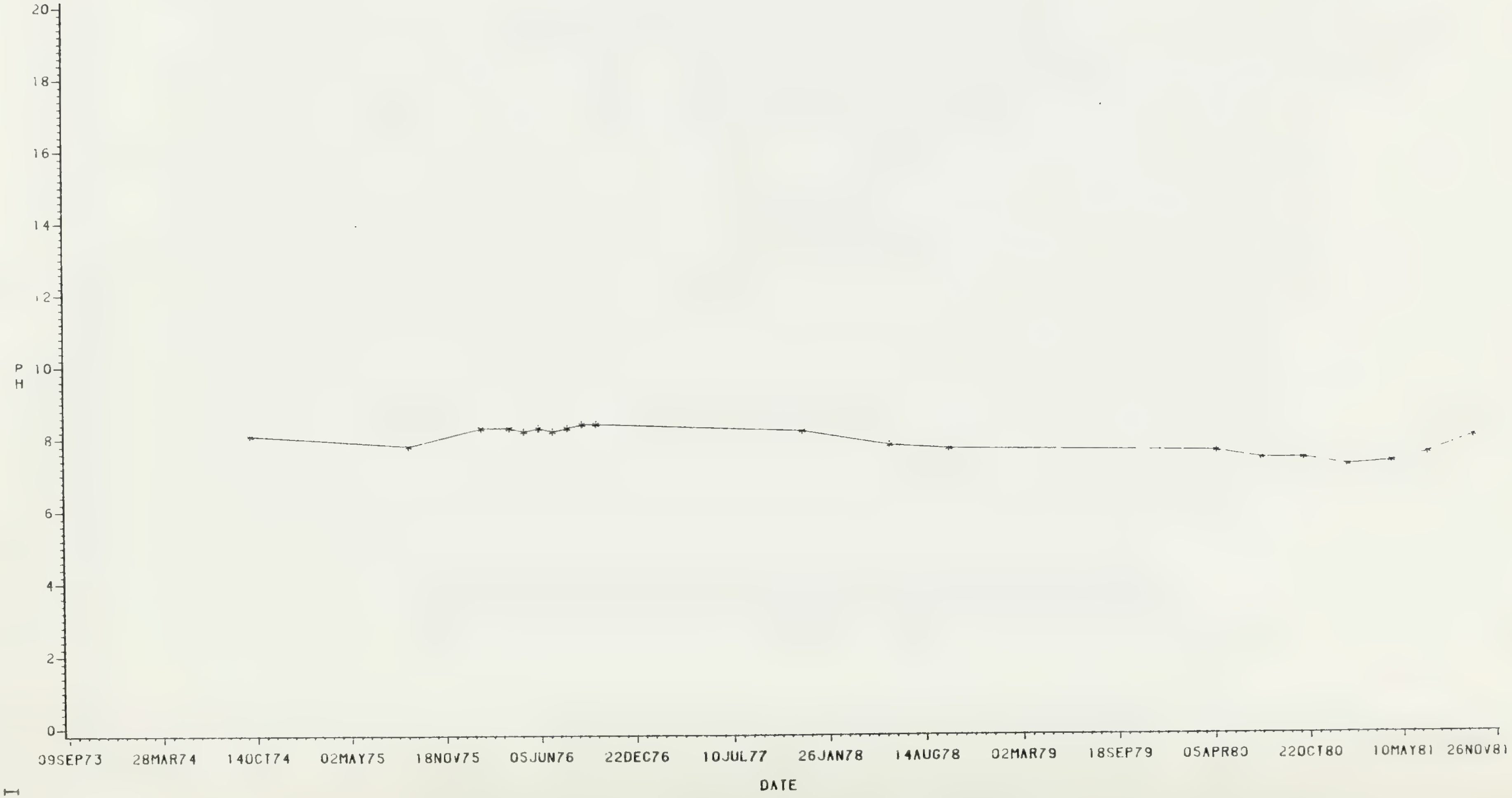

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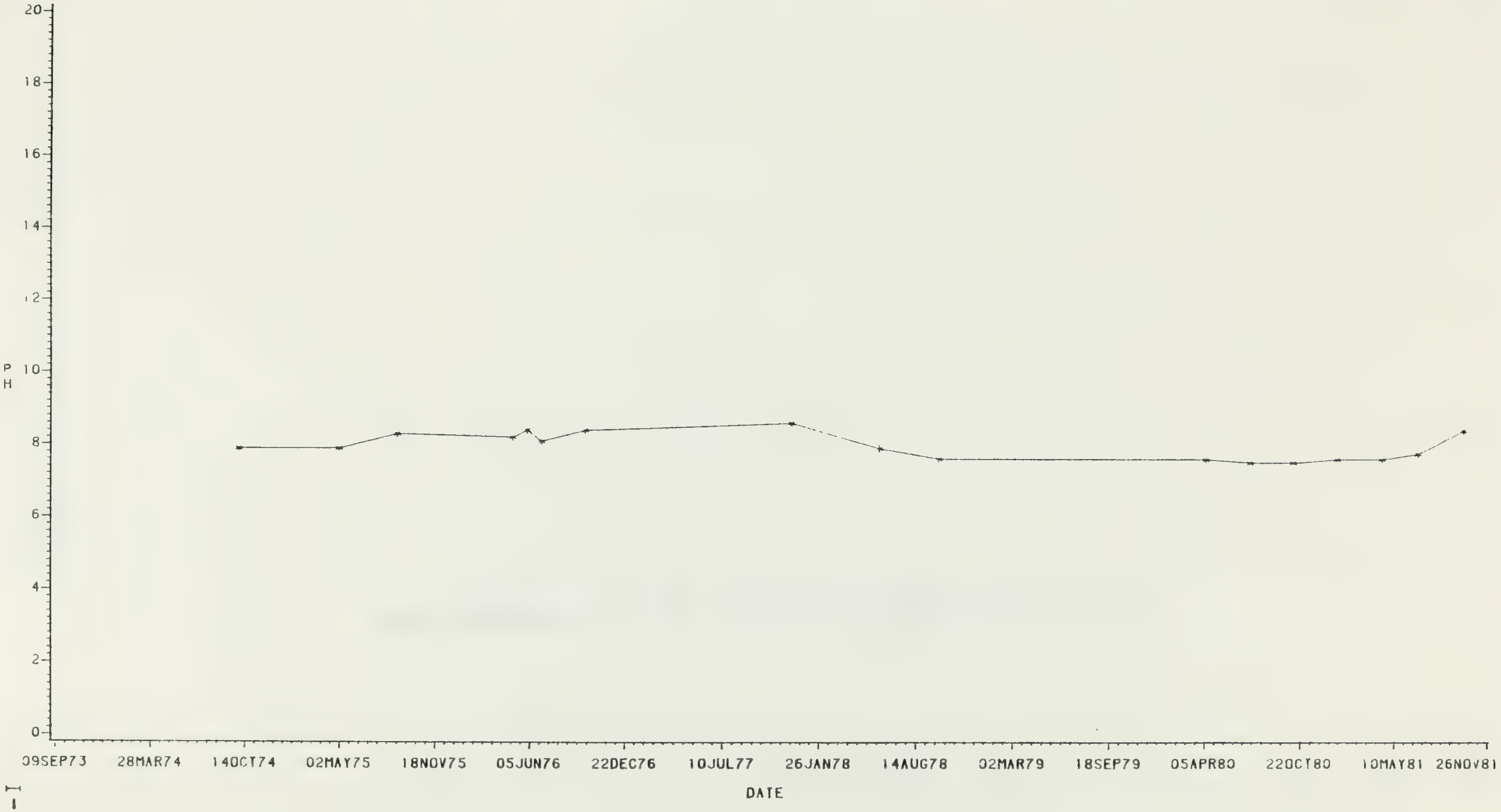
LOC=WS10



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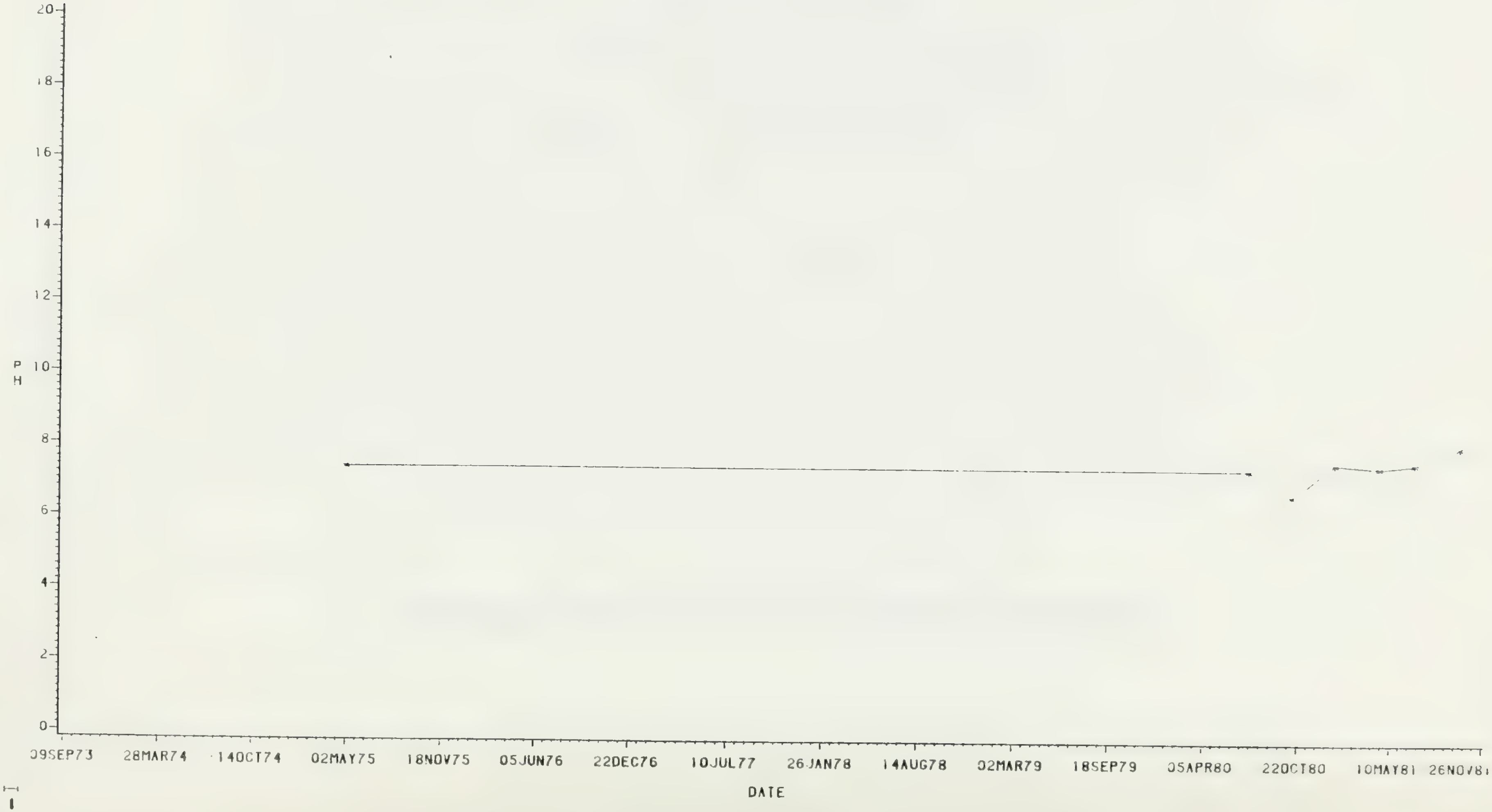
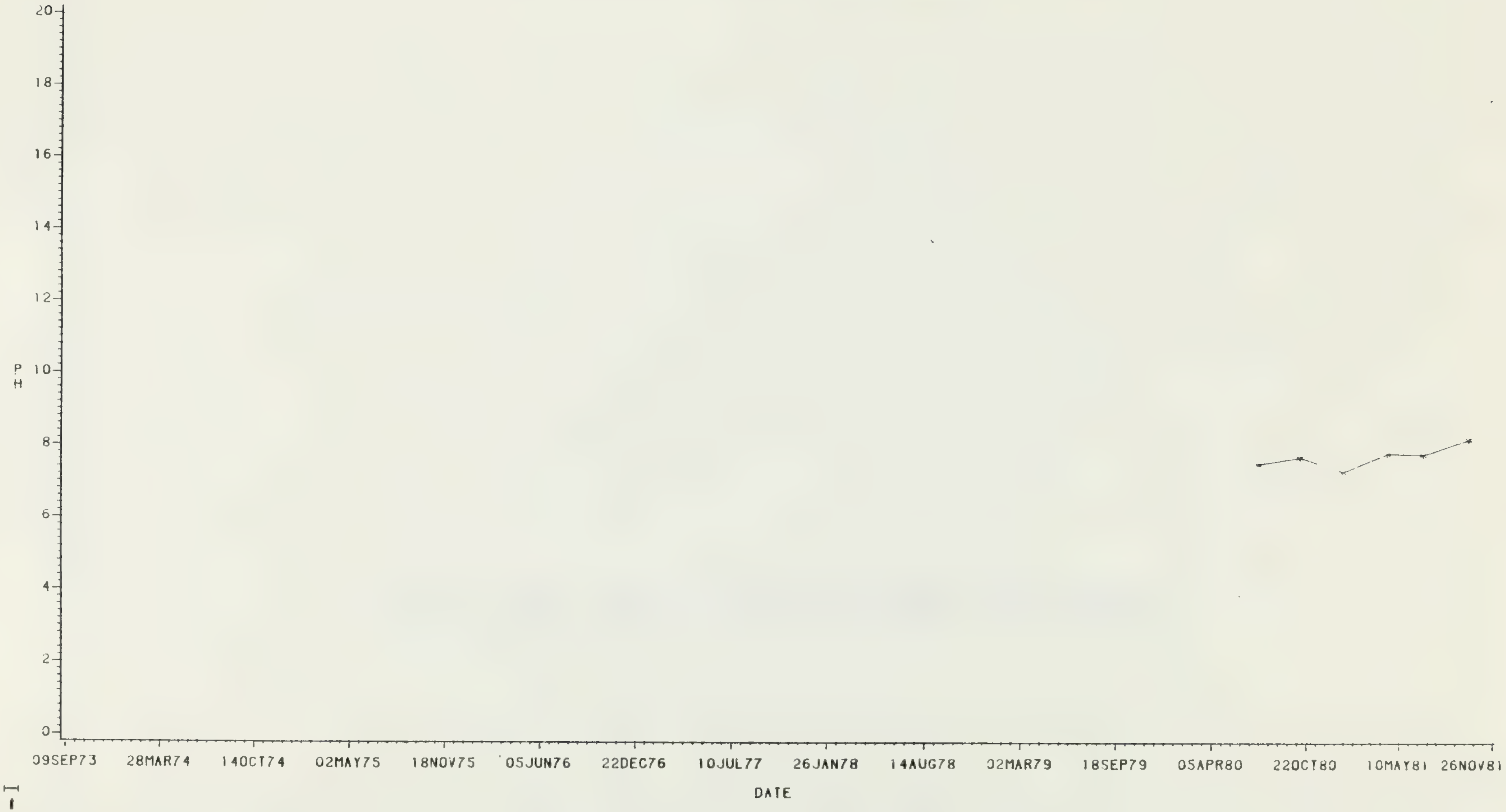
LOC=WS11



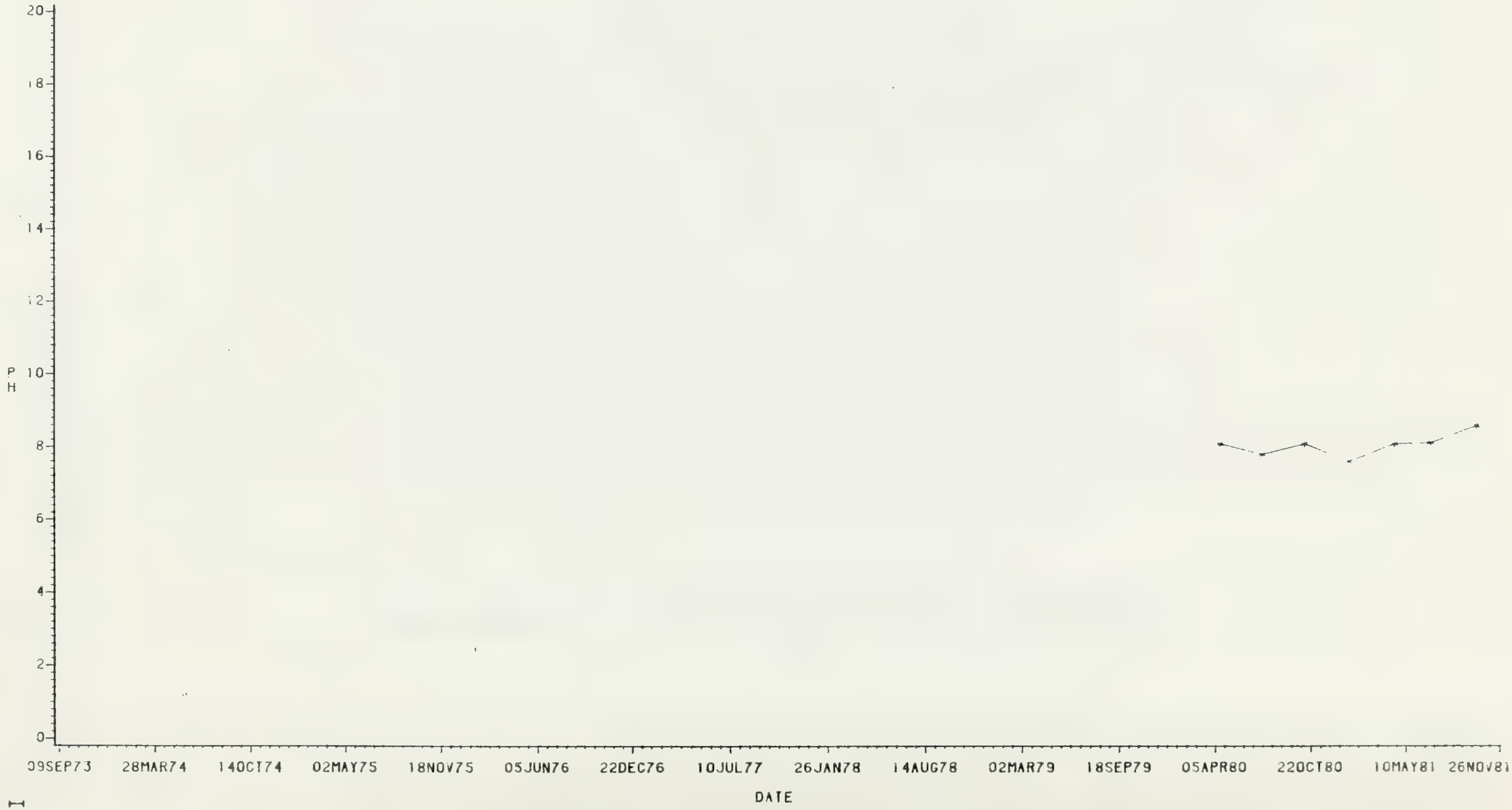
TIME SERIES PLOT OF PH FOR SPRINGS AND SEEPS

LOC=WS12



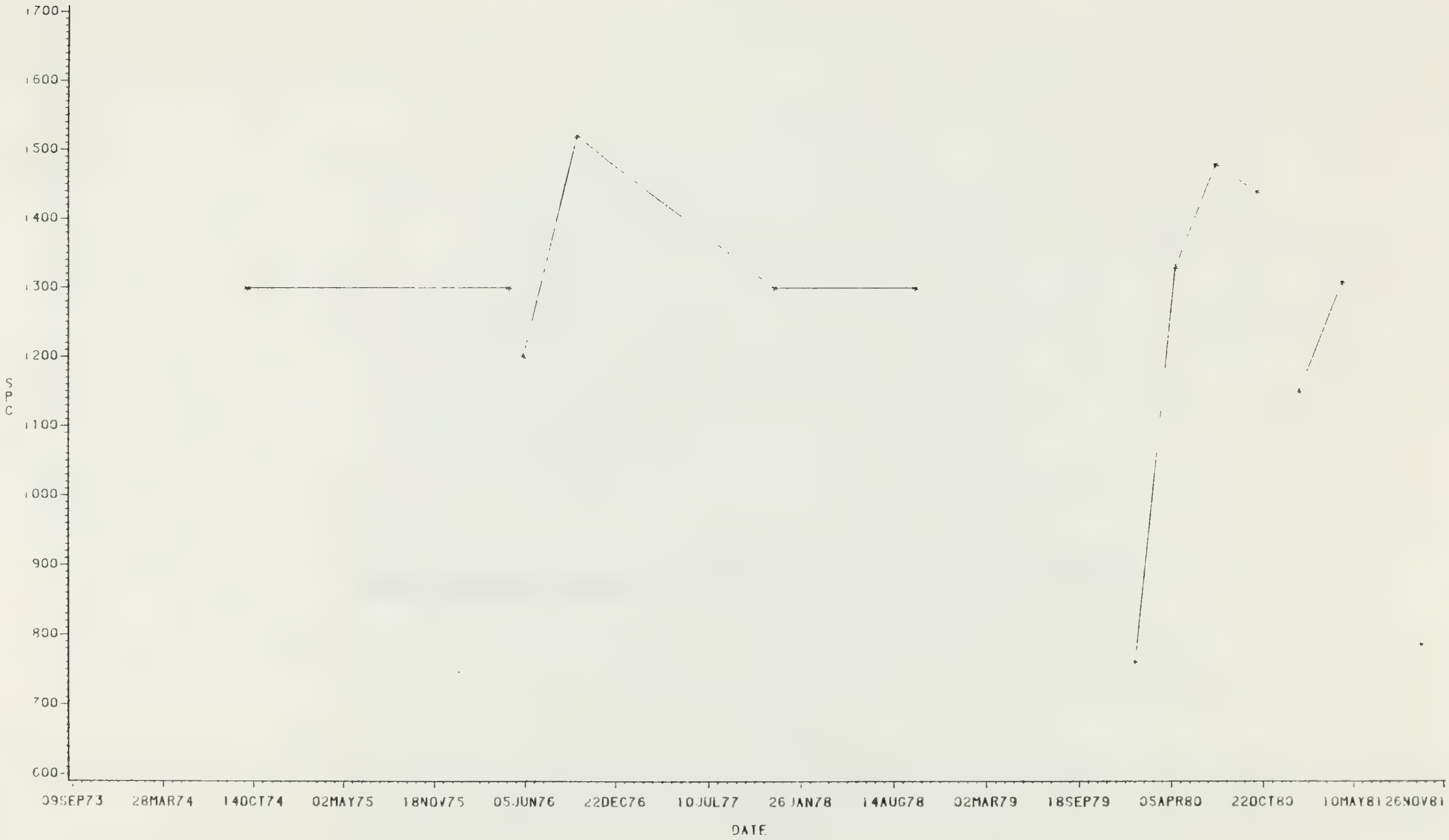
TIME SERIES PLOT OF PH FOR SPRINGS AND SEEPS

LOC=WS36



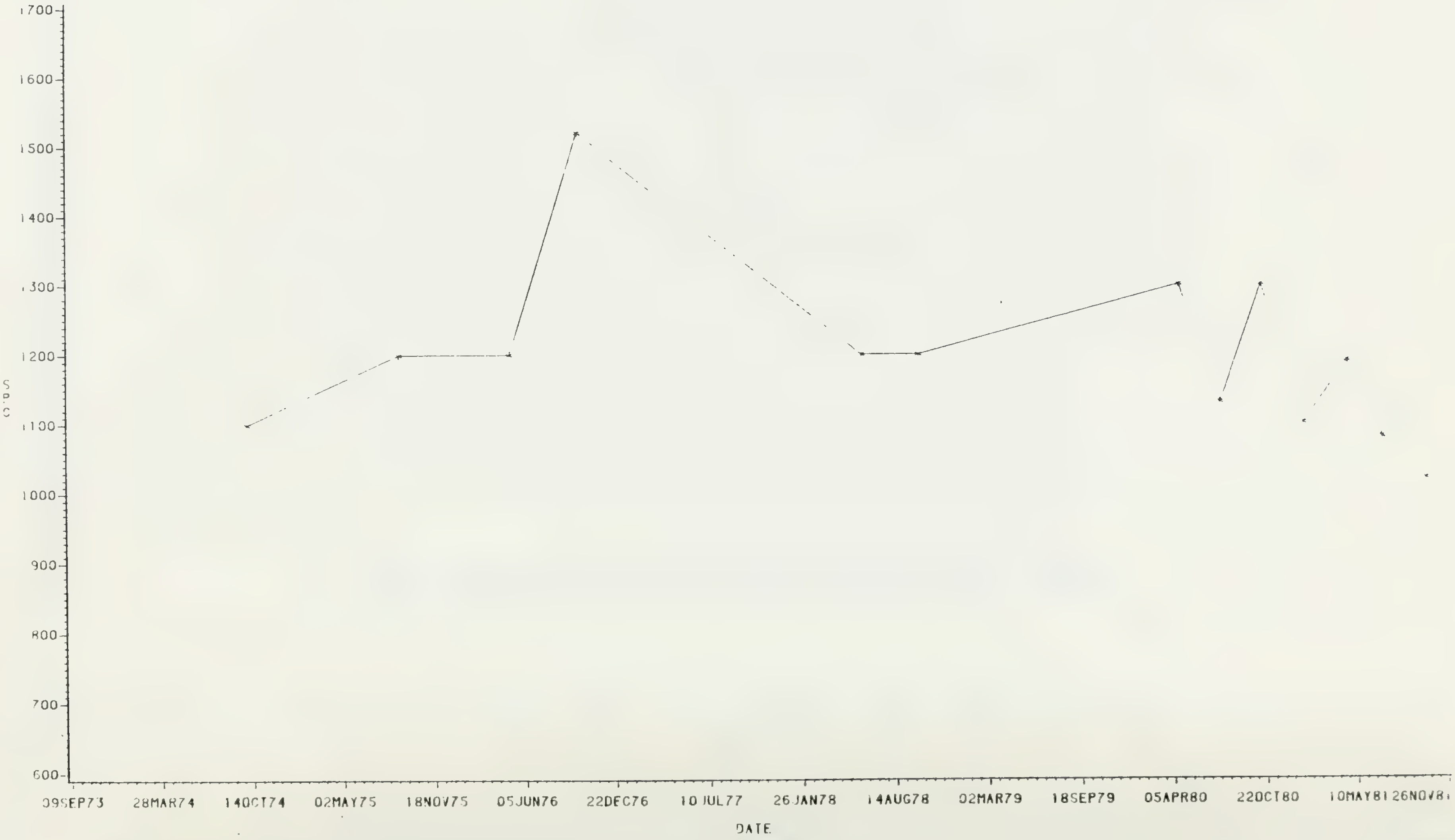
TIME SERIES PLOT OF SPC FOR SPRINGS AND SEEPS

LOC=WS01



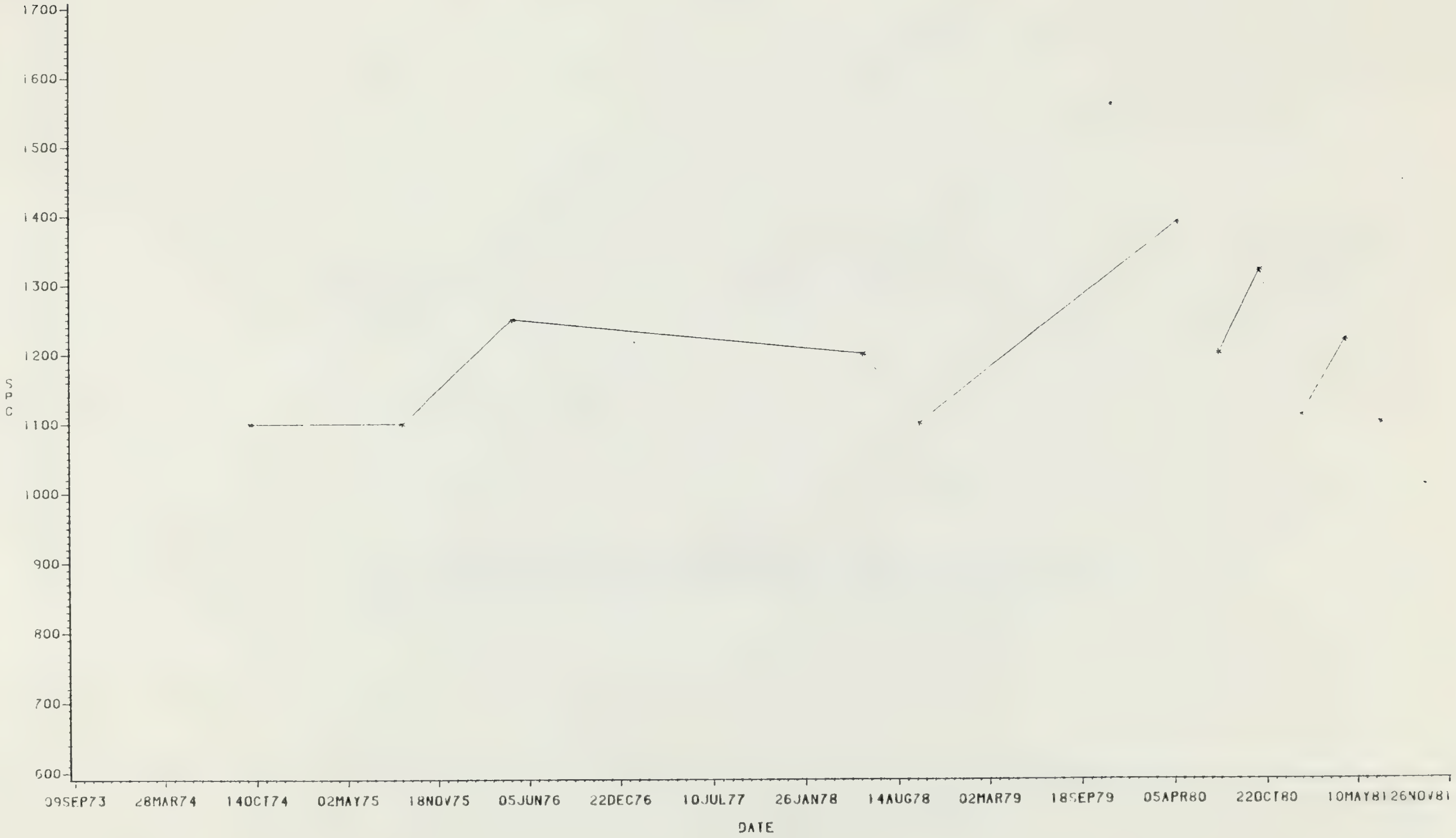
TIME SERIES PLOT OF SPC FOR SPRINGS AND SEEPS

LOC=WS02



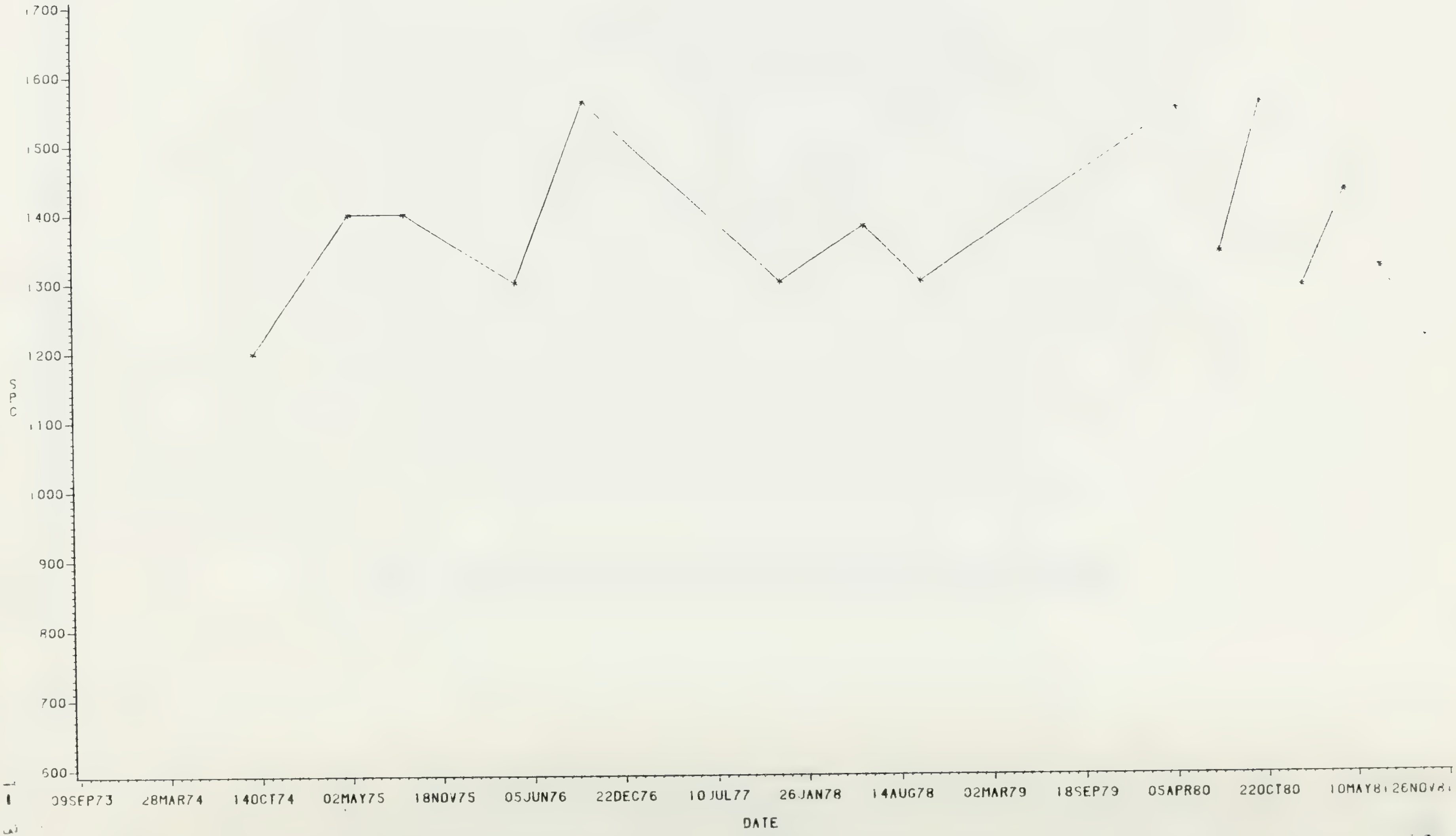
TIME SERIES PLOT OF SPC FOR SPRINGS AND SEEPS

LOC=WS04



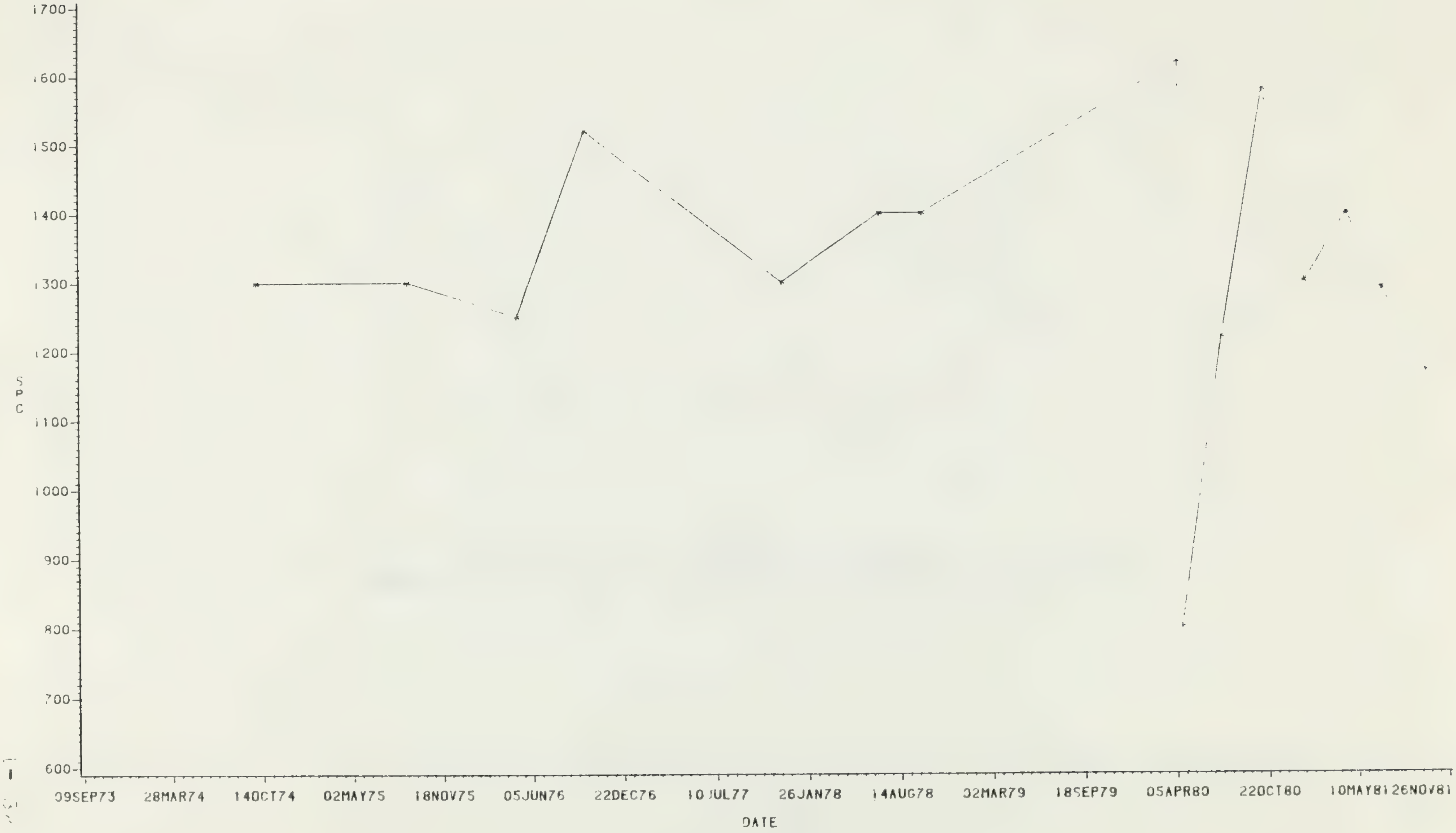
TIME SERIES PLOT OF SPC FOR SPRINGS AND SEEPS

LOC=WS06



TIME SERIES PLOT OF SPC FOR SPRINGS AND SEEPS

LOC=WS07



TIME SERIES PLOT OF SPC FOR SPRINGS AND SEEPS

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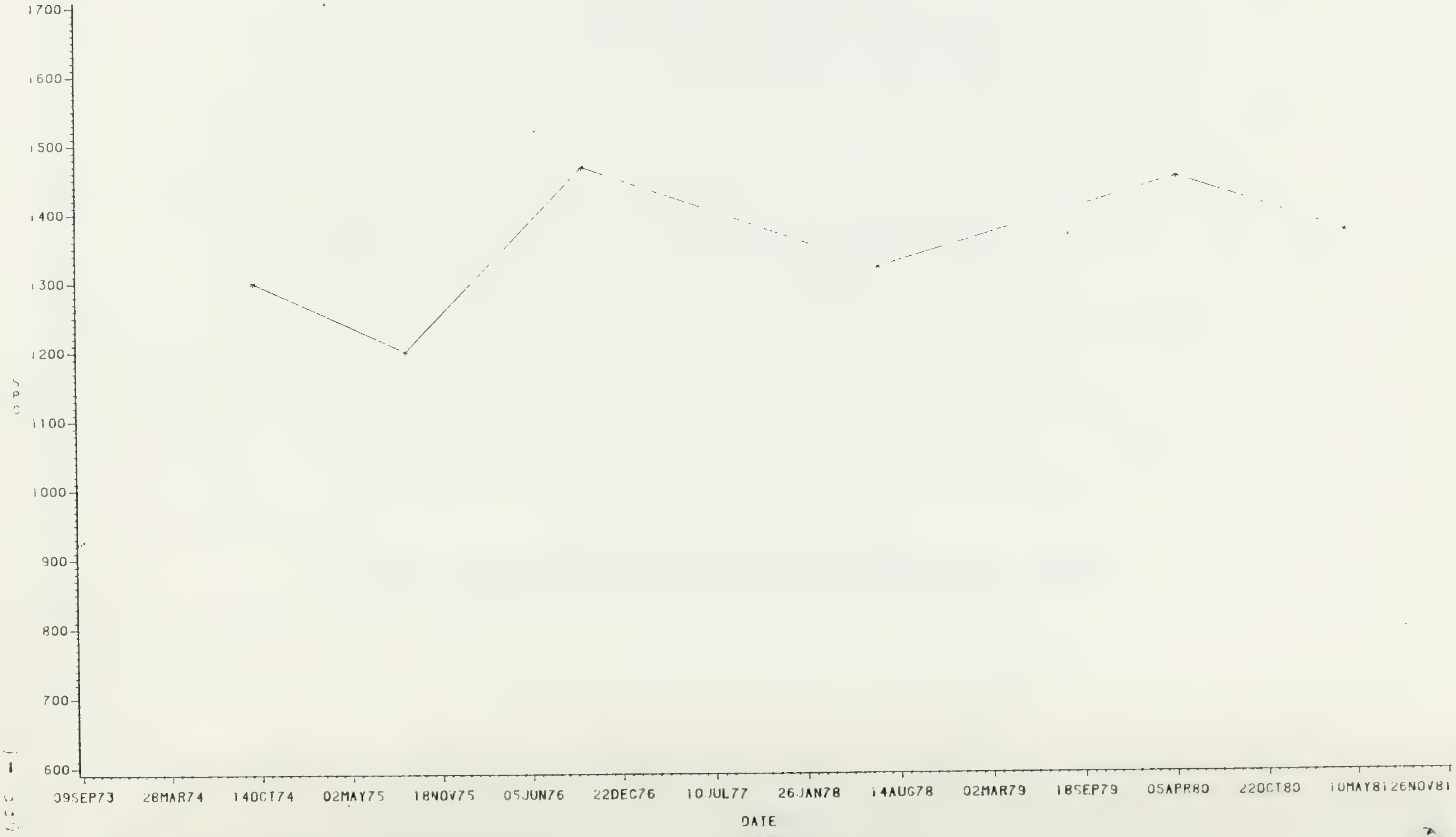

TIME SERIES PLOT OF SPC FOR SPRINGS AND SEEPS

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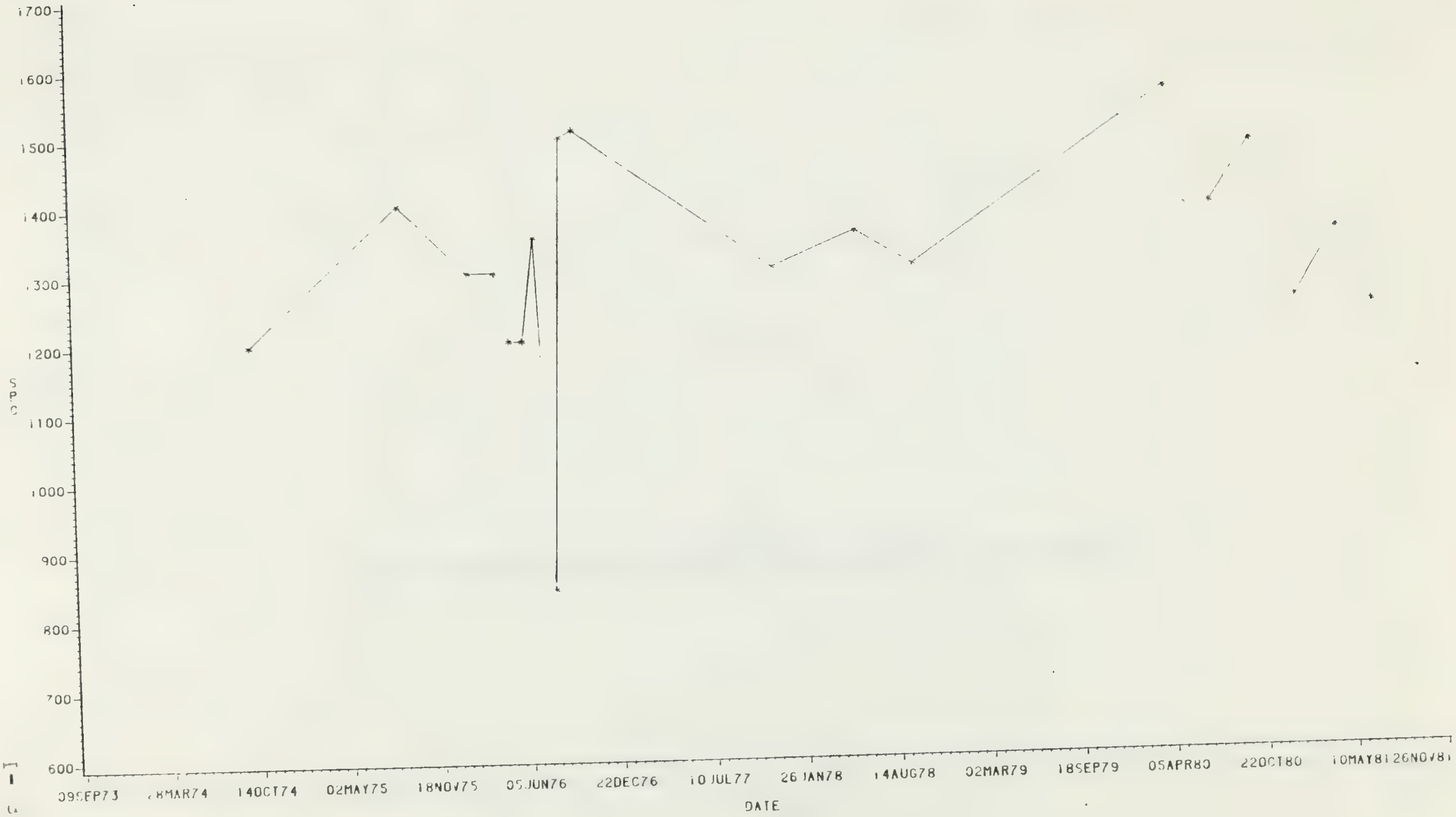

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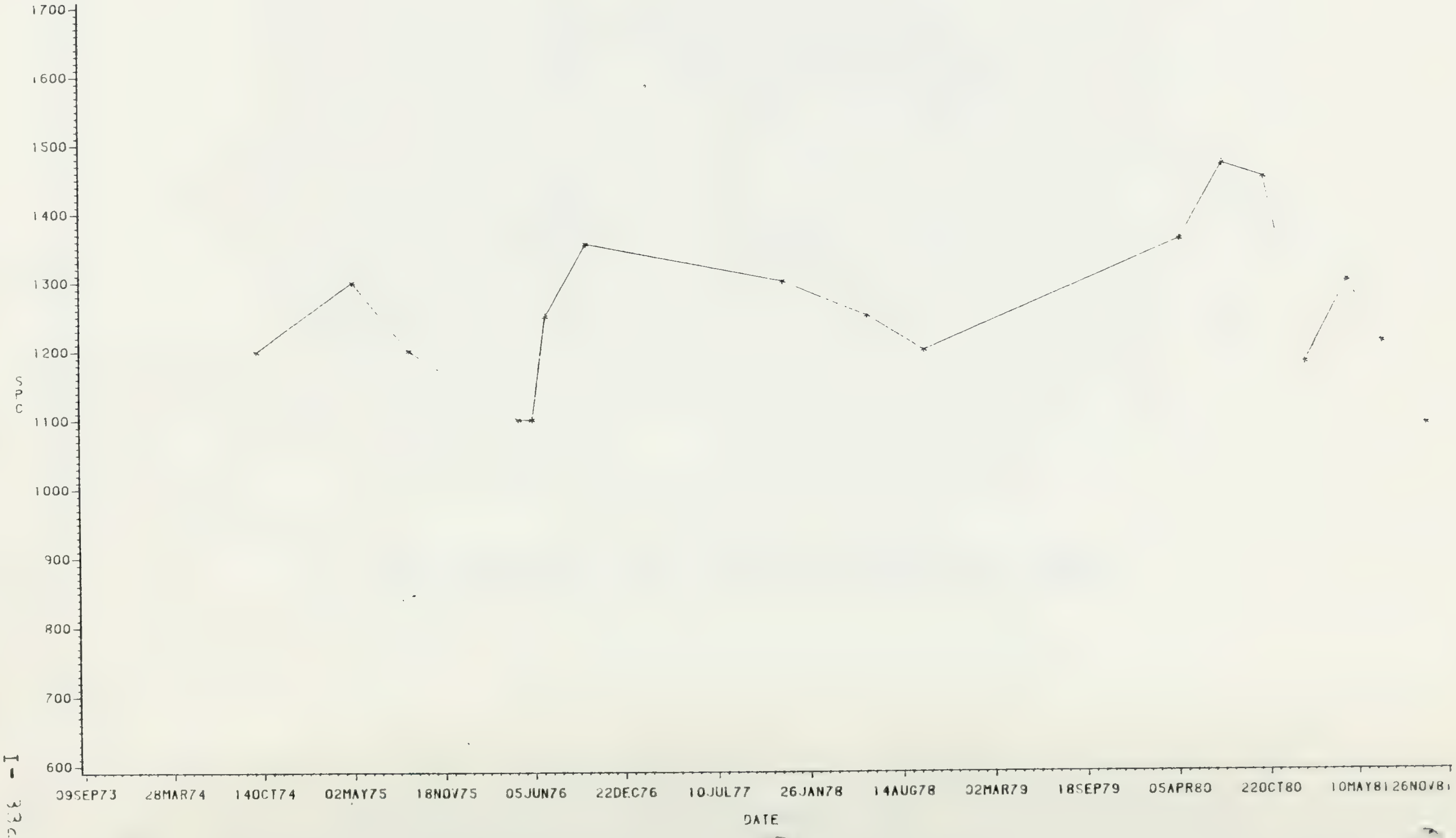
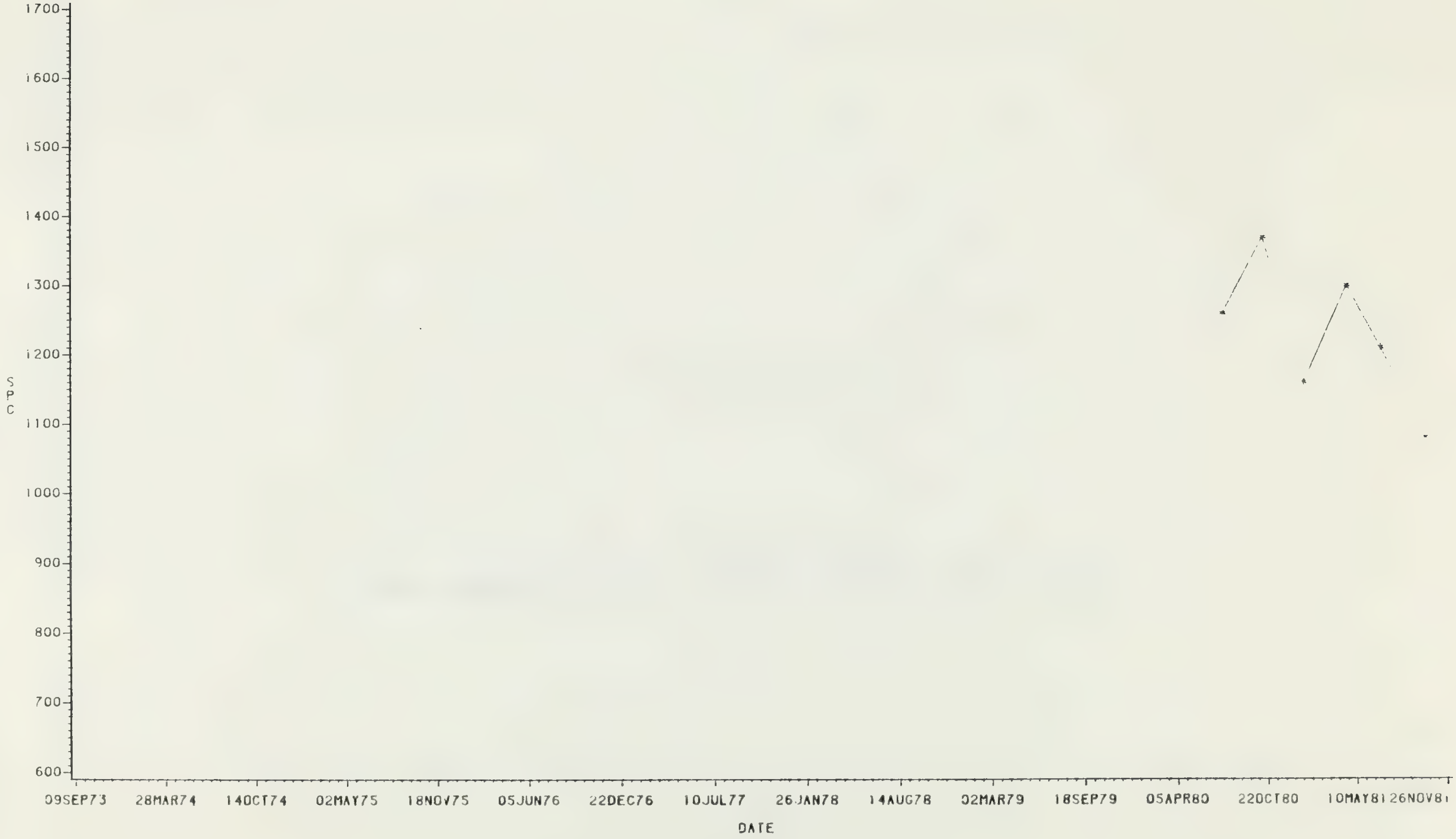


TIME SERIES PLOT OF SPC FOR SPRINGS AND SEEPS

LOC=WS11



TIME SERIES PLOT OF SPC FOR SPRINGS AND SEEPS

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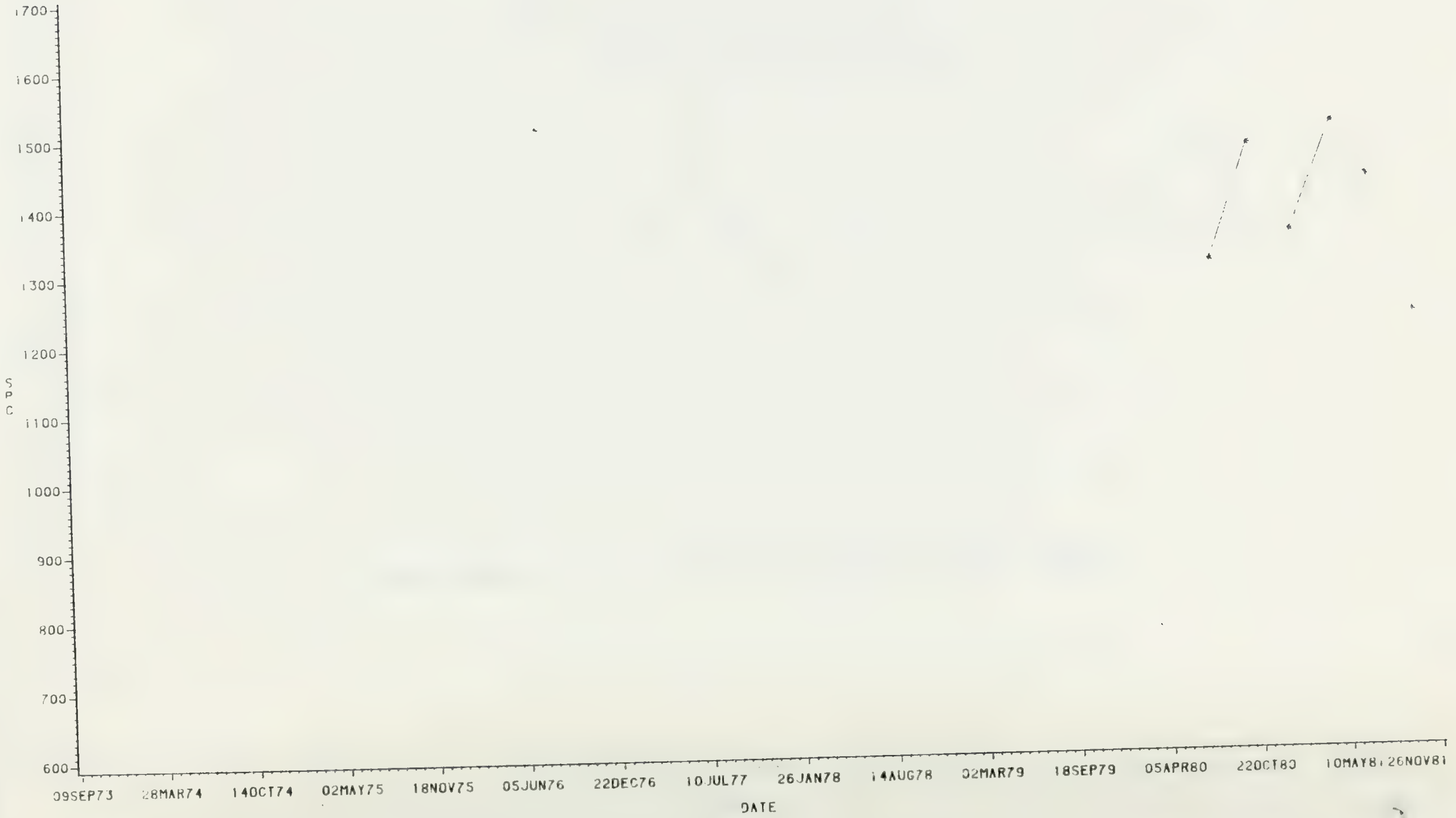
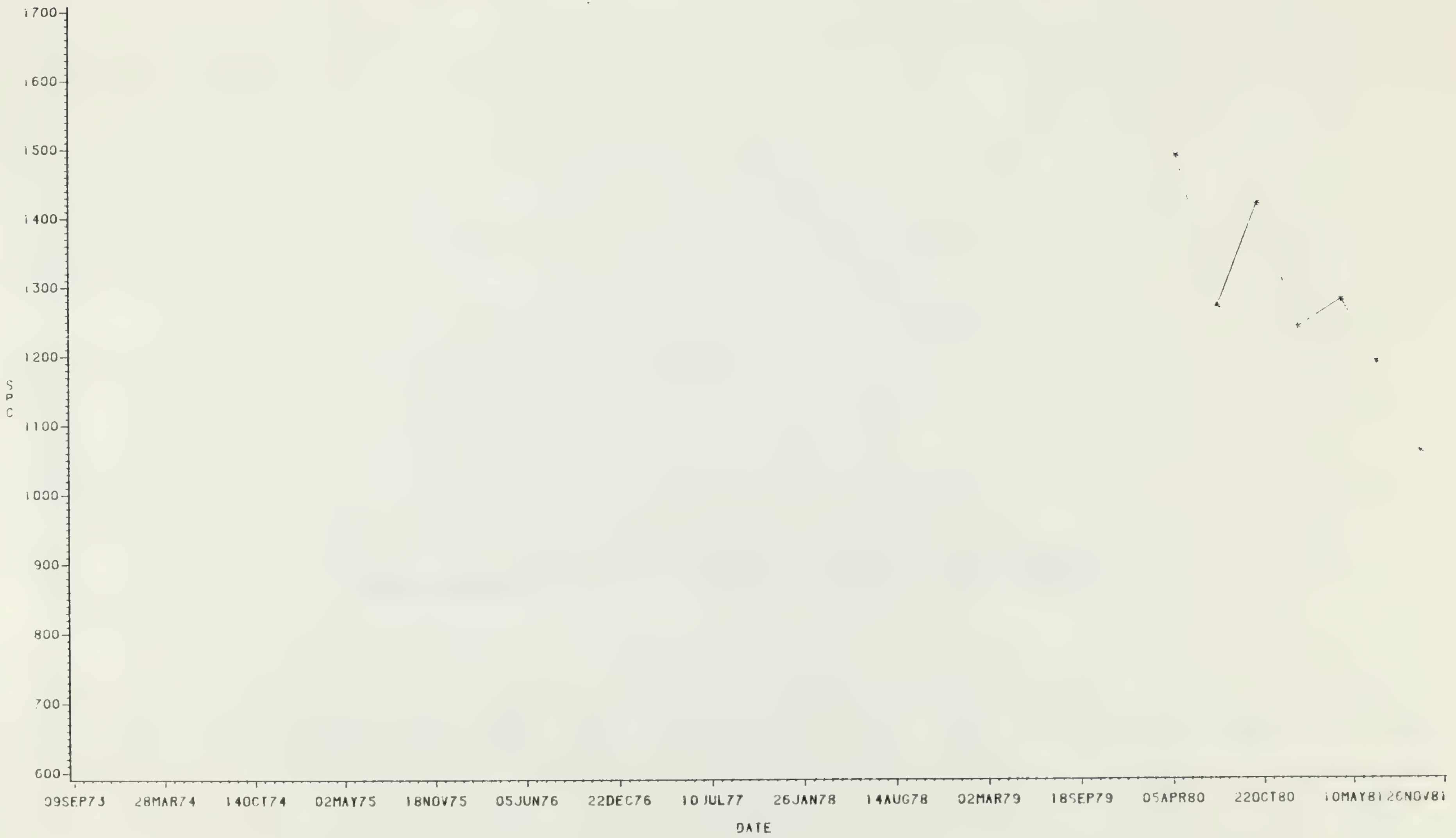


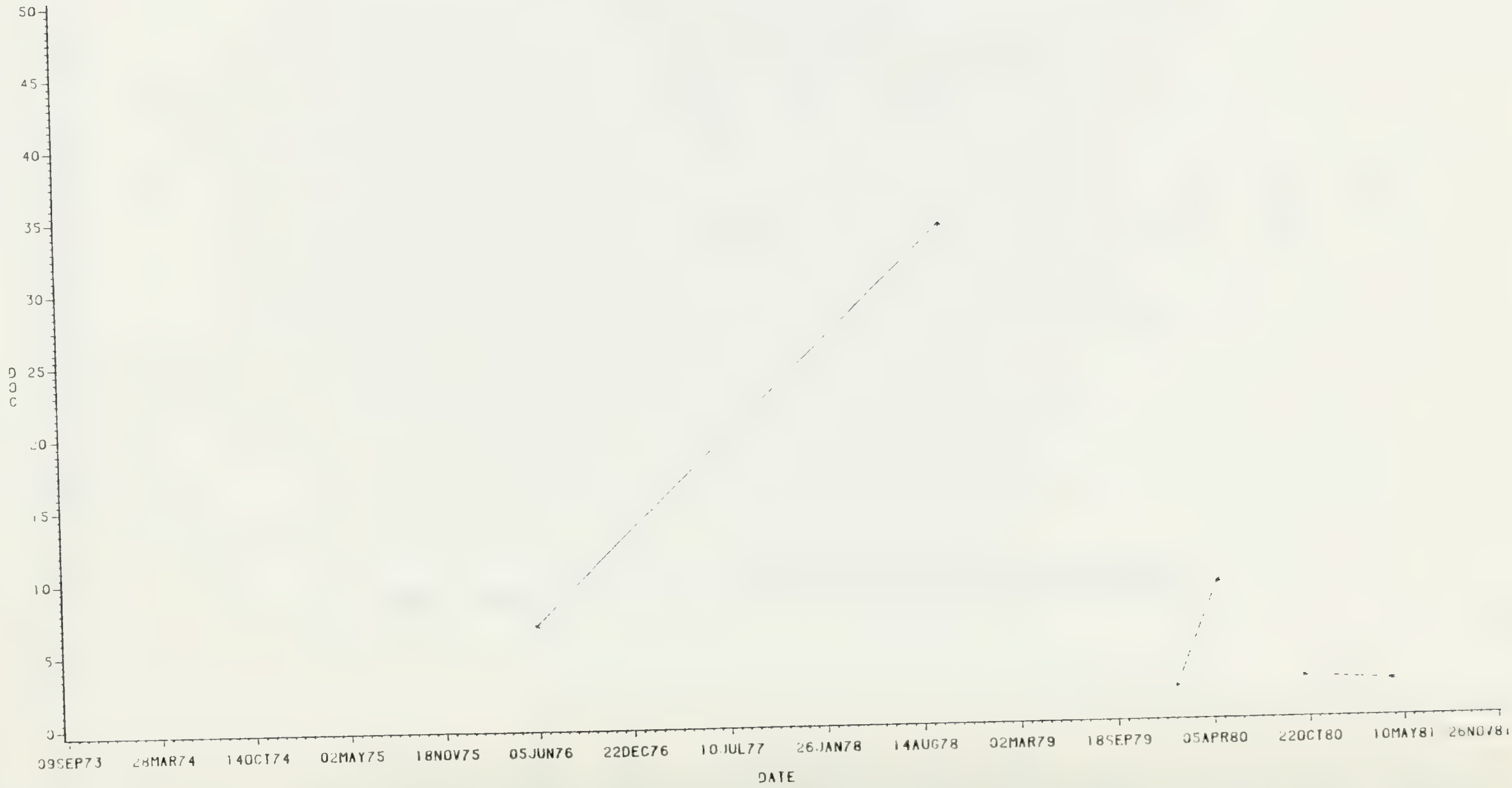
TIME SERIES PLOT OF SPC FOR SPRINGS AND SEEPS

LOC=WS36



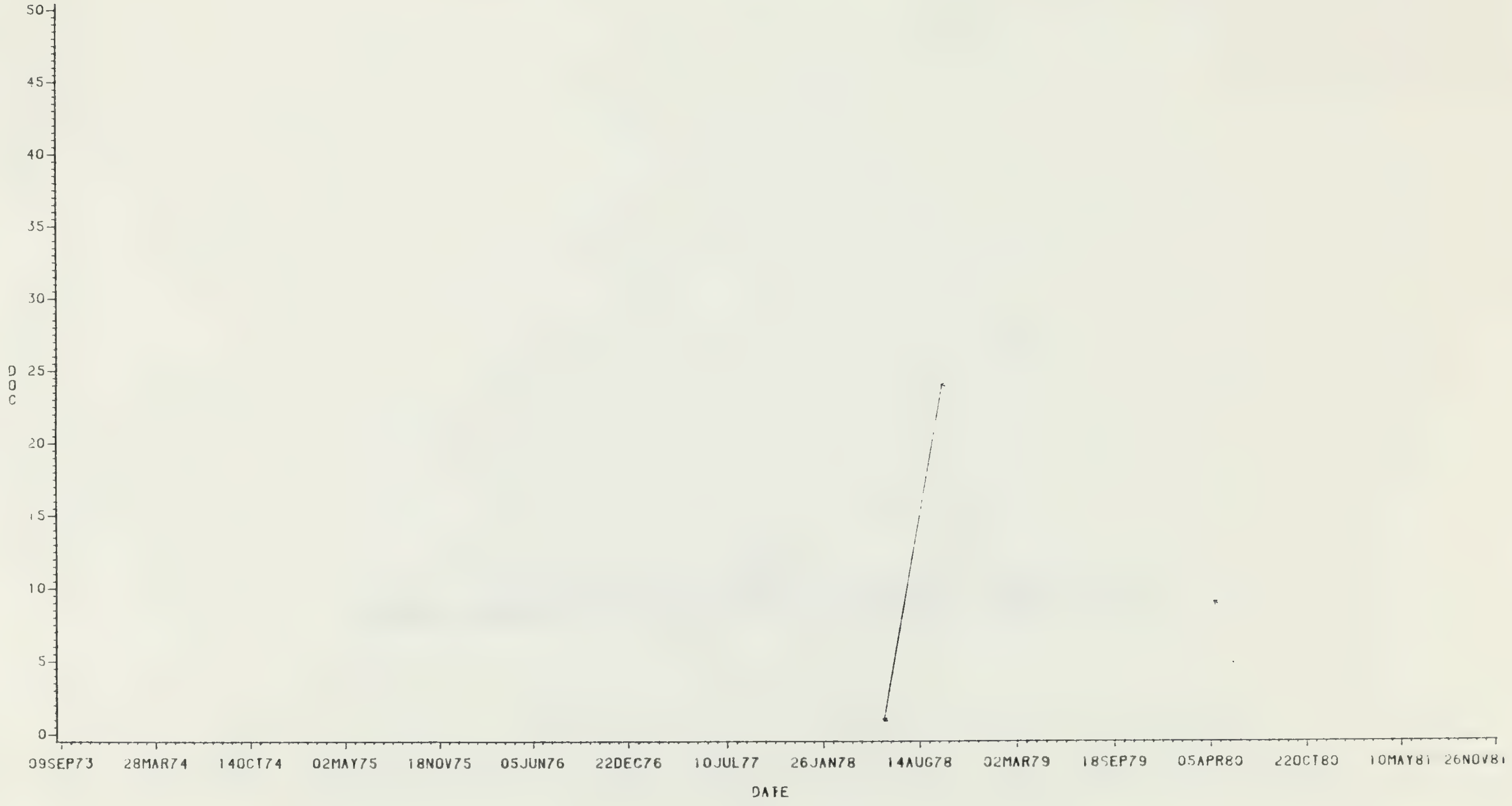
TIME SERIES PLOT OF DOC FOR SPRINGS AND SEEPS

LOC=WS01



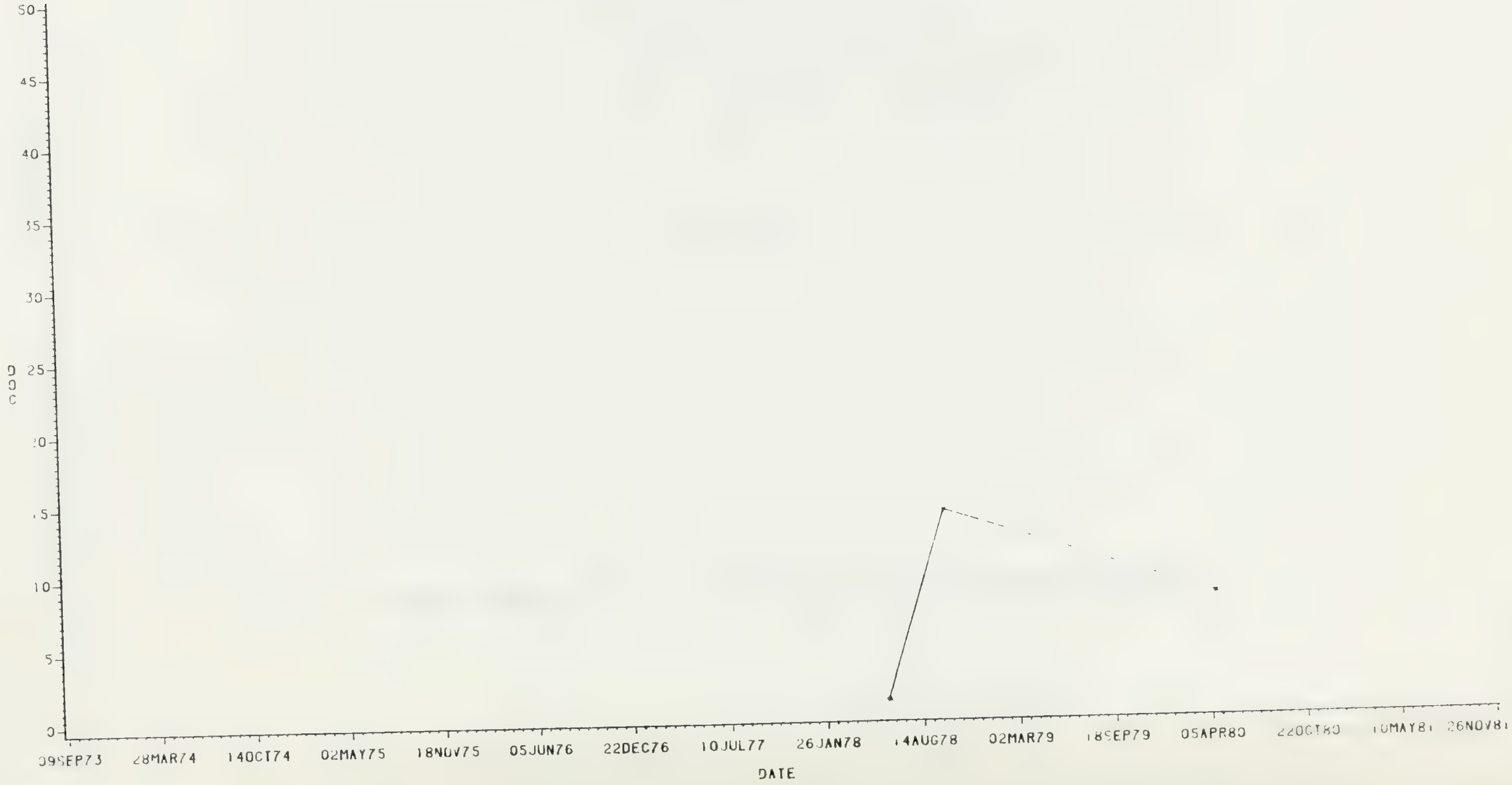
TIME SERIES PLOT OF DOC FOR SPRINGS AND SEEPS

LOC=WS02



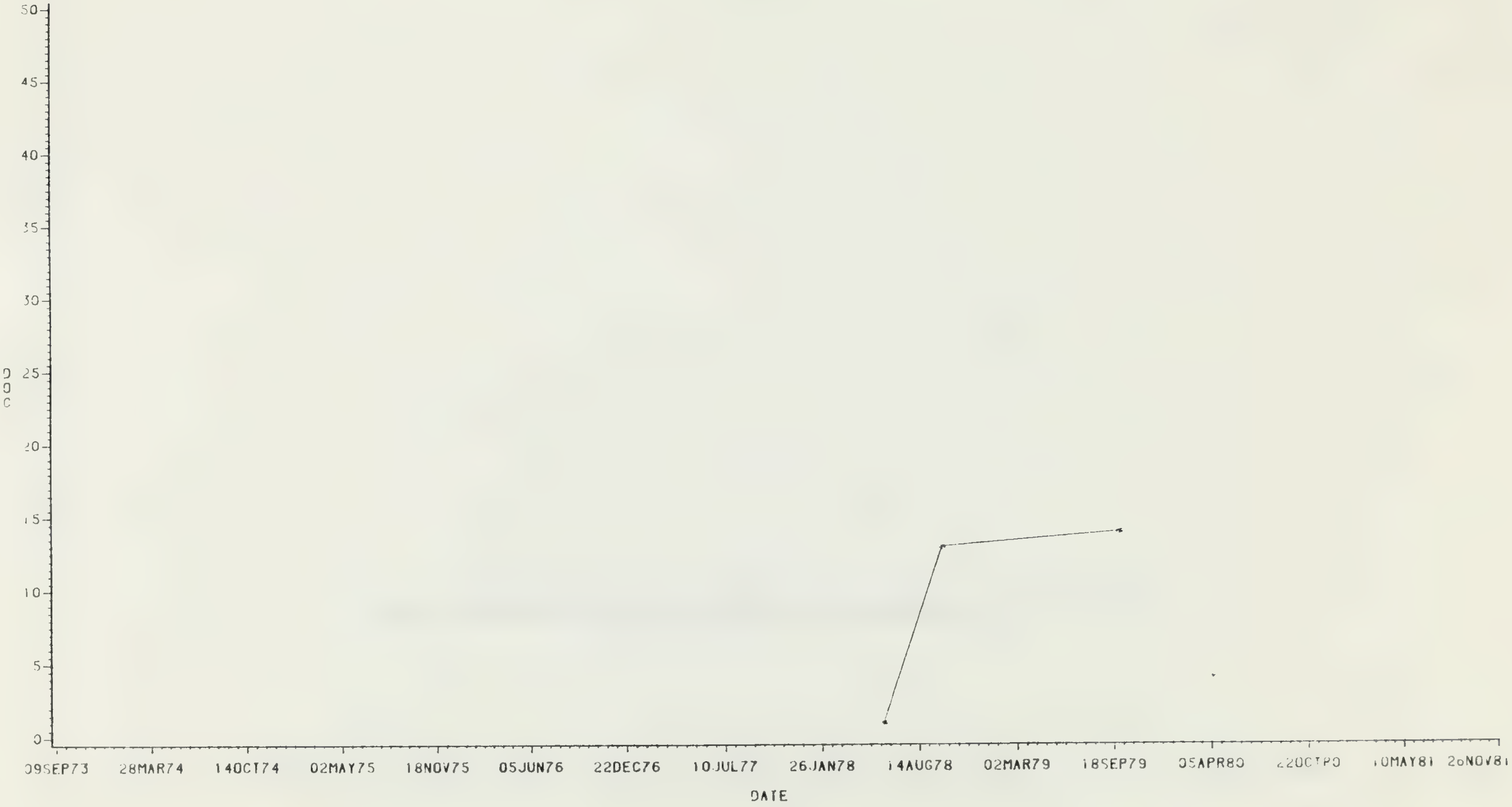
TIME SERIES PLOT OF DOC FOR SPRINGS AND SEEPS

LOC=WS04



TIME SERIES PLOT OF DOC FOR SPRINGS AND SEEPS

LOC=WS06



TIME SERIES PLOT OF DOC FOR SPRINGS AND SEEPS

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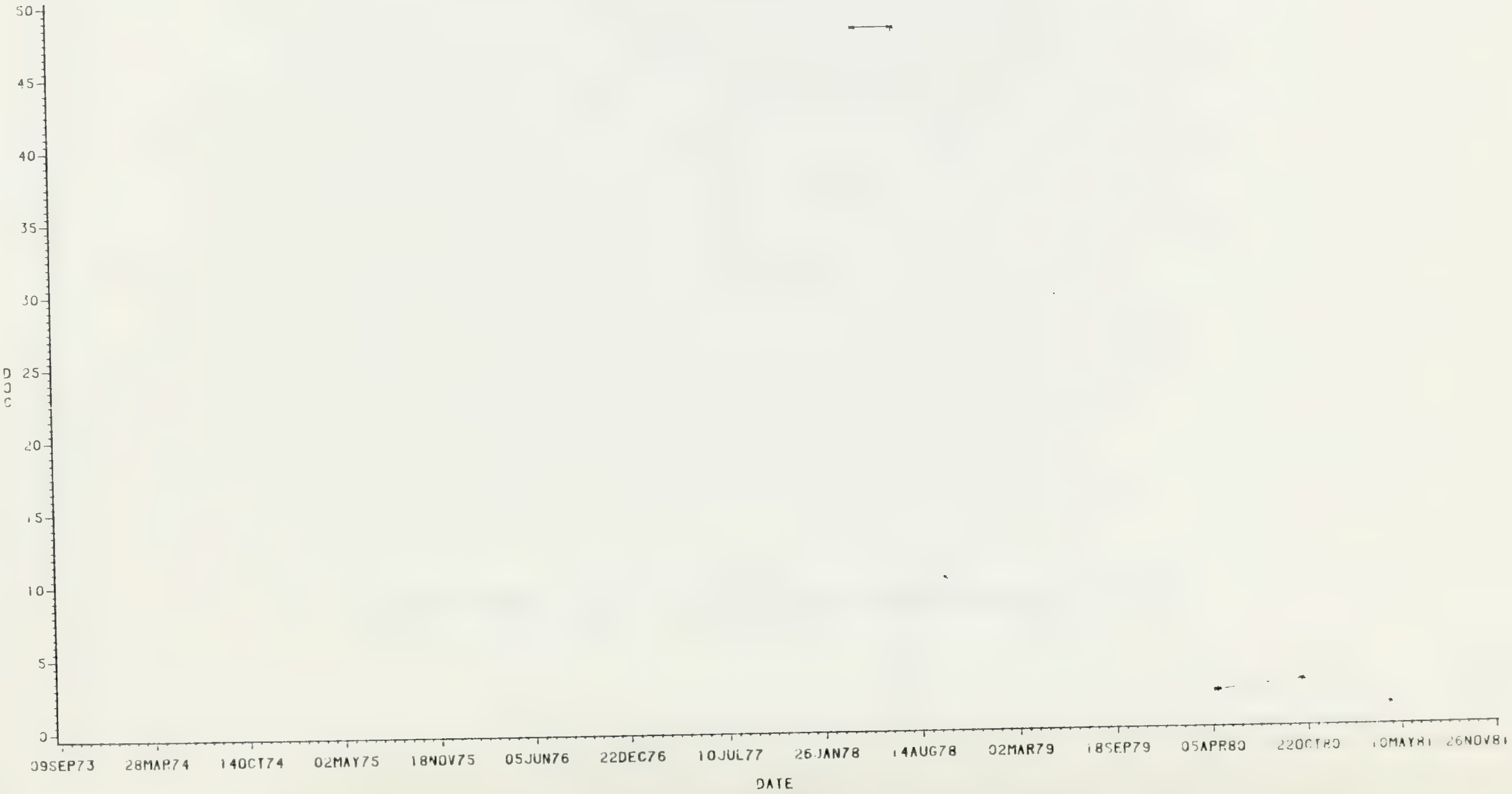

TIME SERIES PLOT OF DOC FOR SPRINGS AND SEEPS

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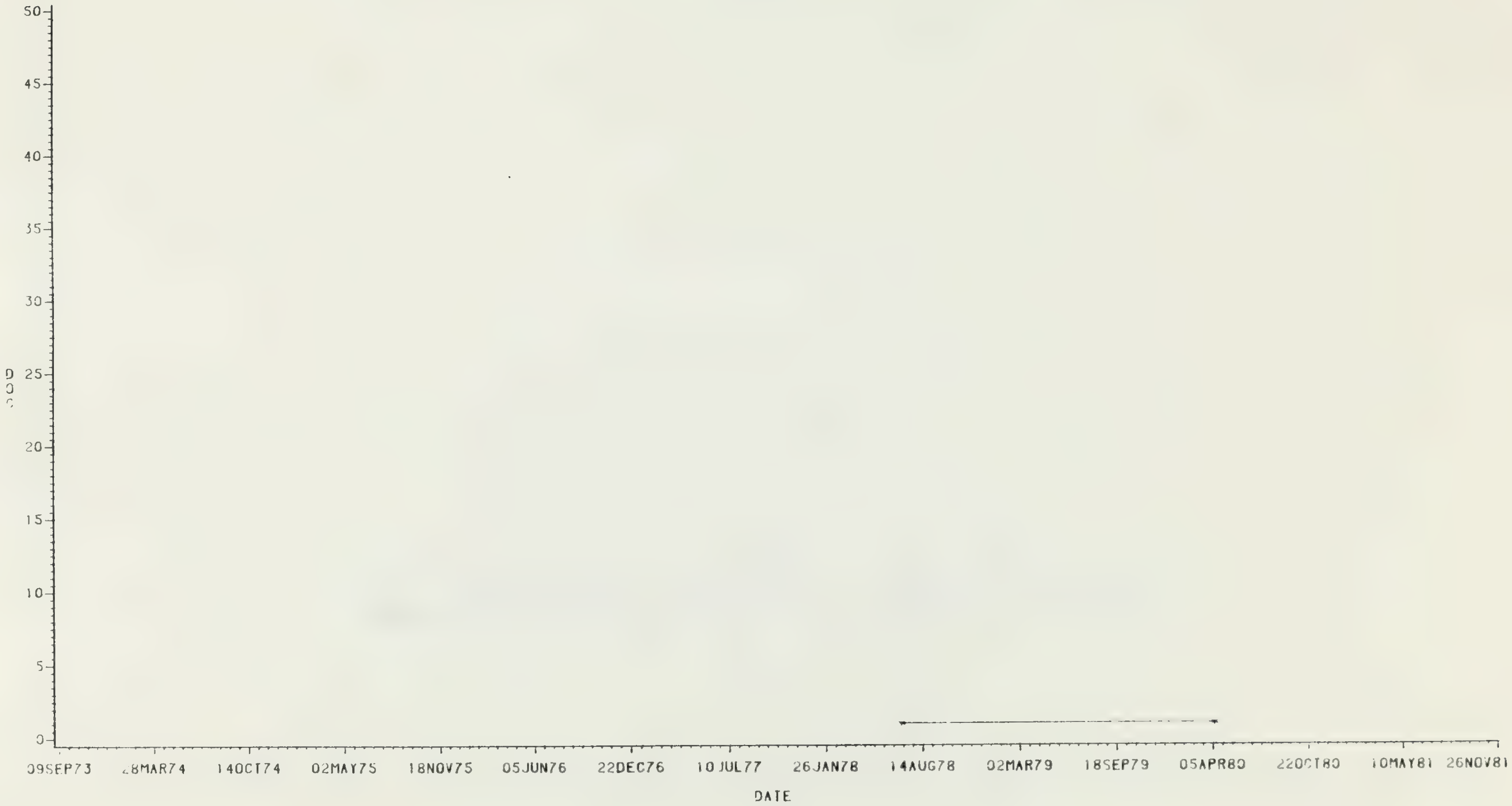

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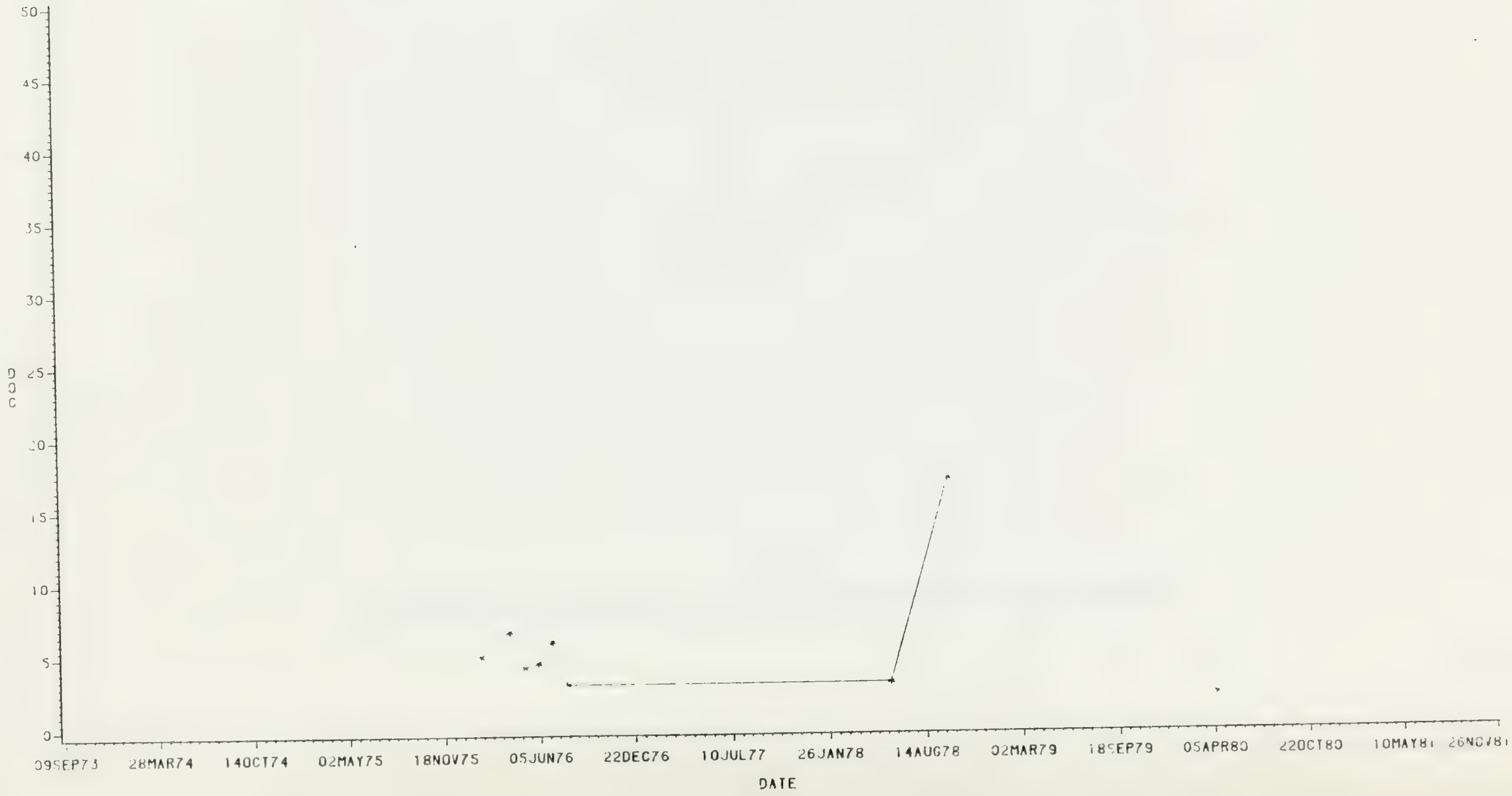
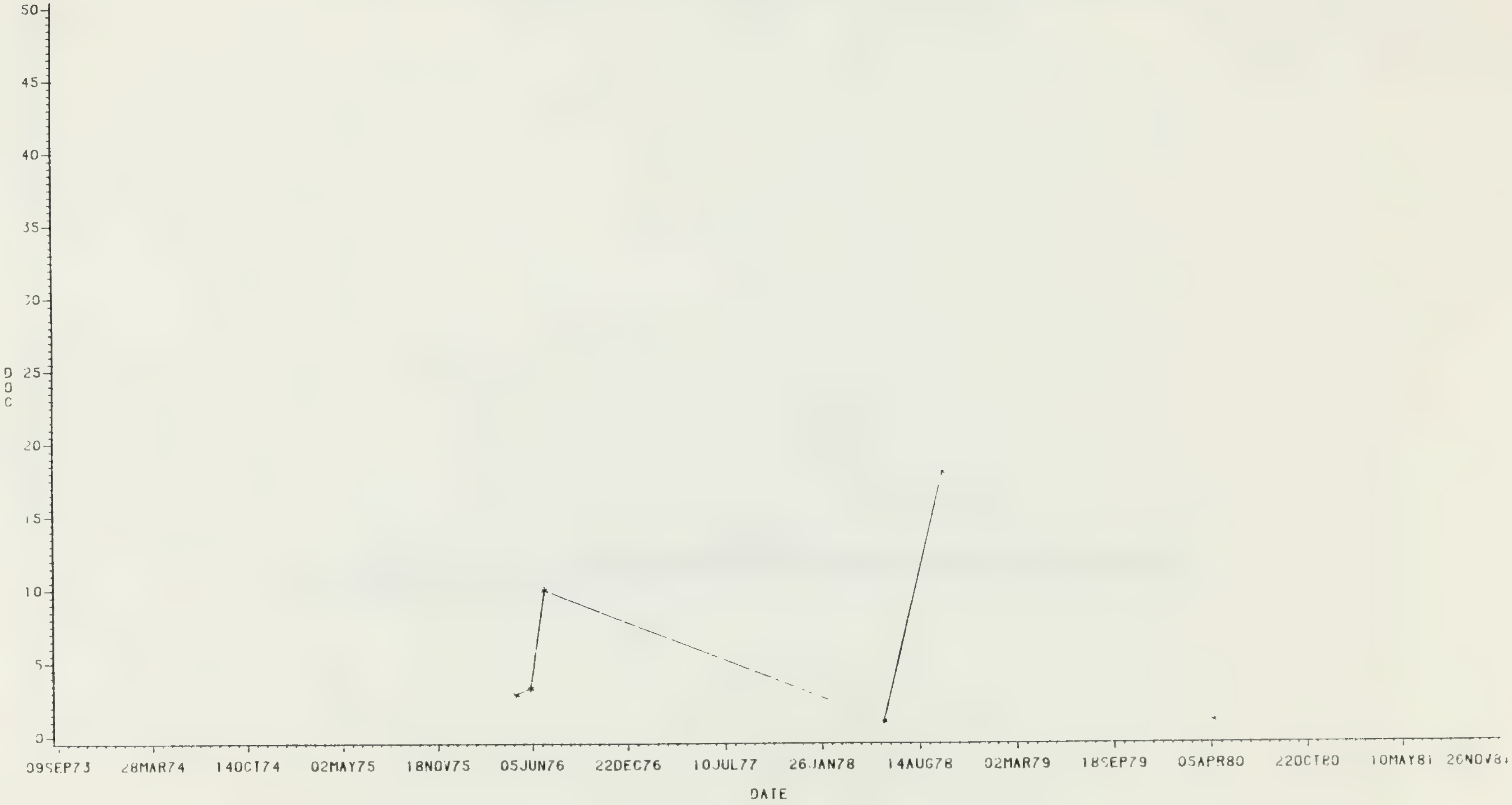


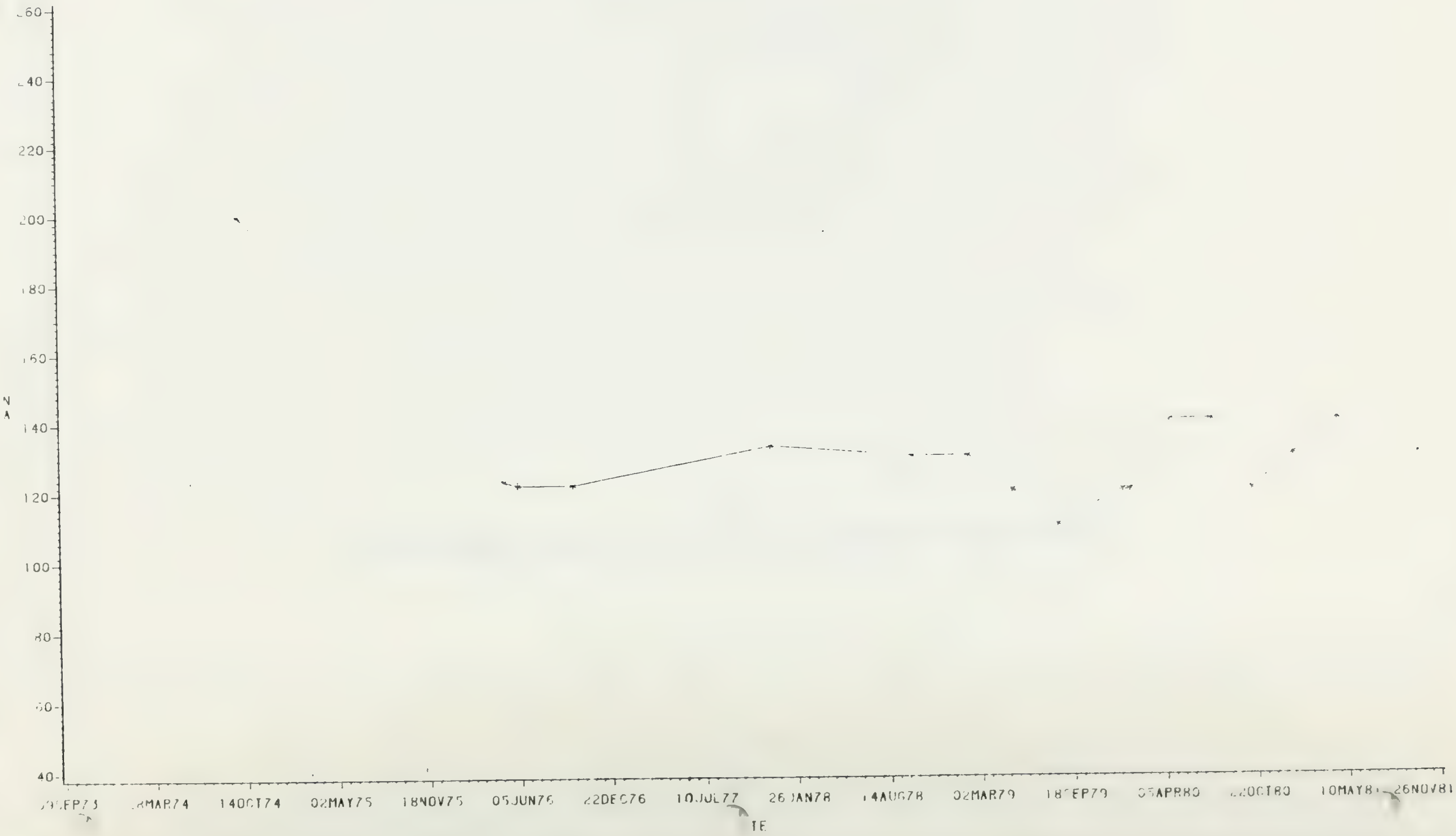
TIME SERIES PLOT OF DOC FOR SPRINGS AND SEEPS

LOC=WS10



TIME SERIES PLOT OF SODIUM FOR SPRINGS AND SEEPS

LOC=WS01



TIME SERIES PLOT OF SODIUM FOR SPRINGS AND SEEPS

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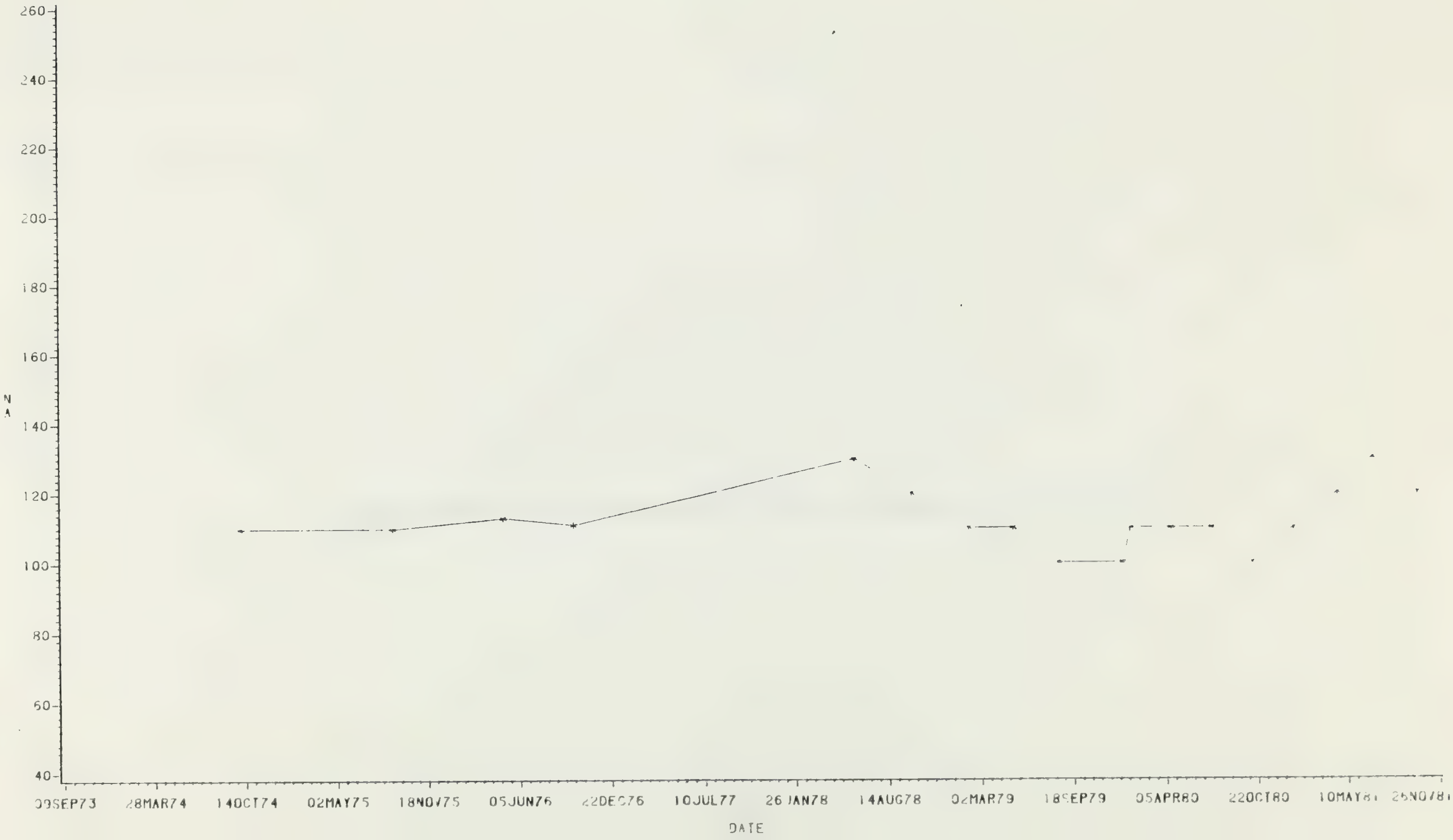

TIME SERIES PLOT OF SODIUM FOR SPRINGS AND SEEPS

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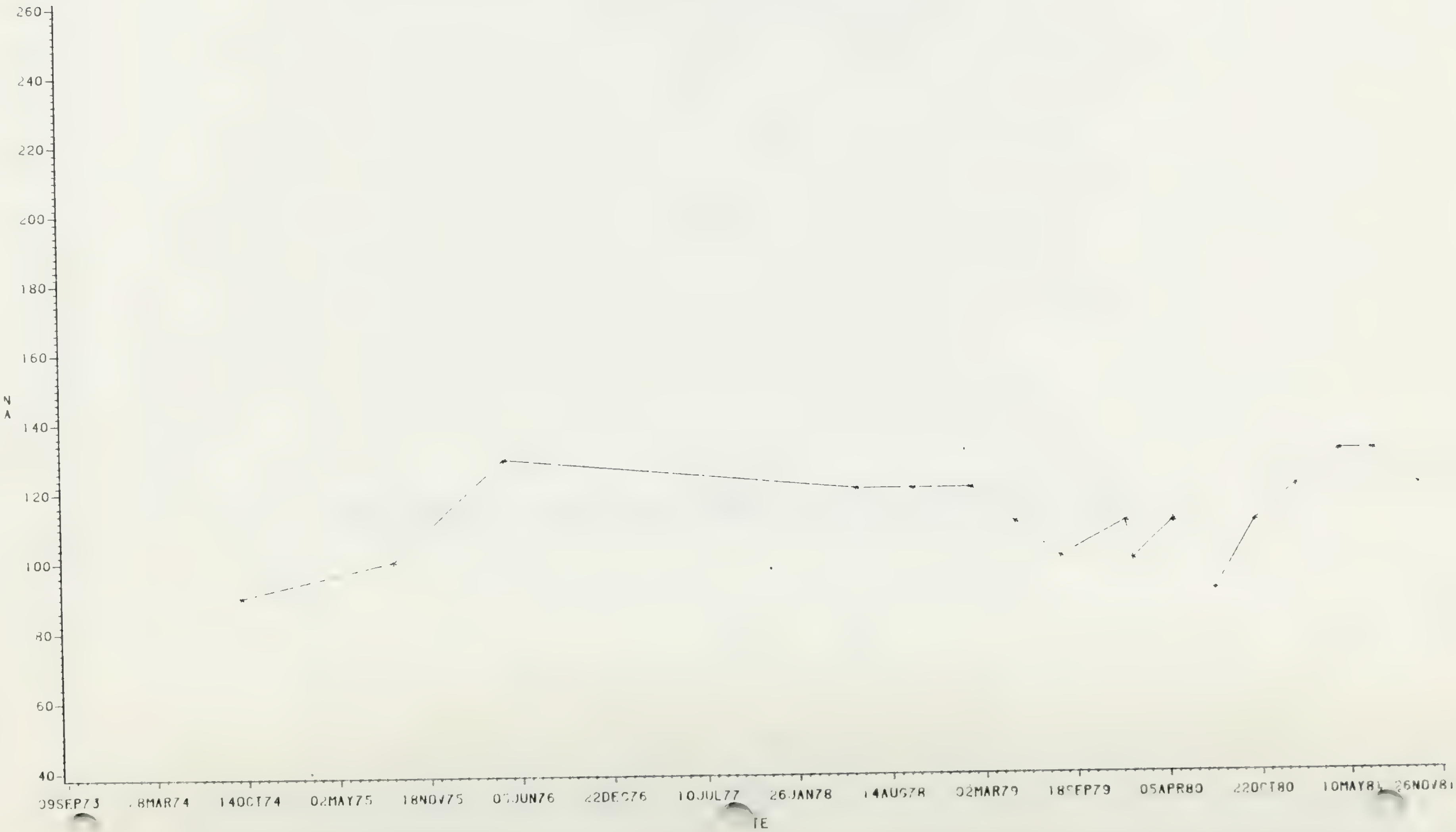

TIME SERIES PLOT OF SODIUM FOR SPRINGS AND SEEPS

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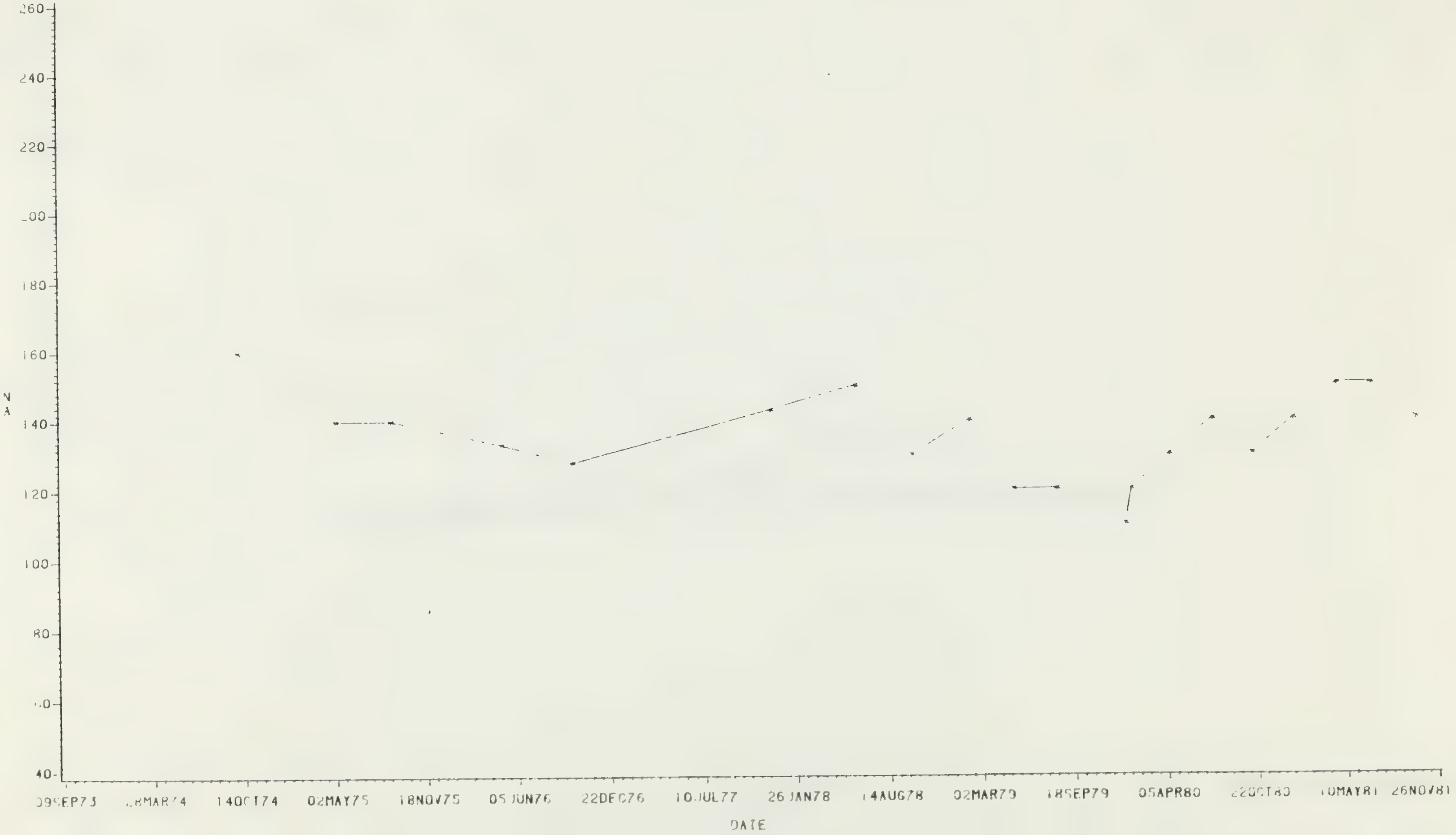

TIME SERIES PLOT OF SODIUM FOR SPRINGS AND SEEPS

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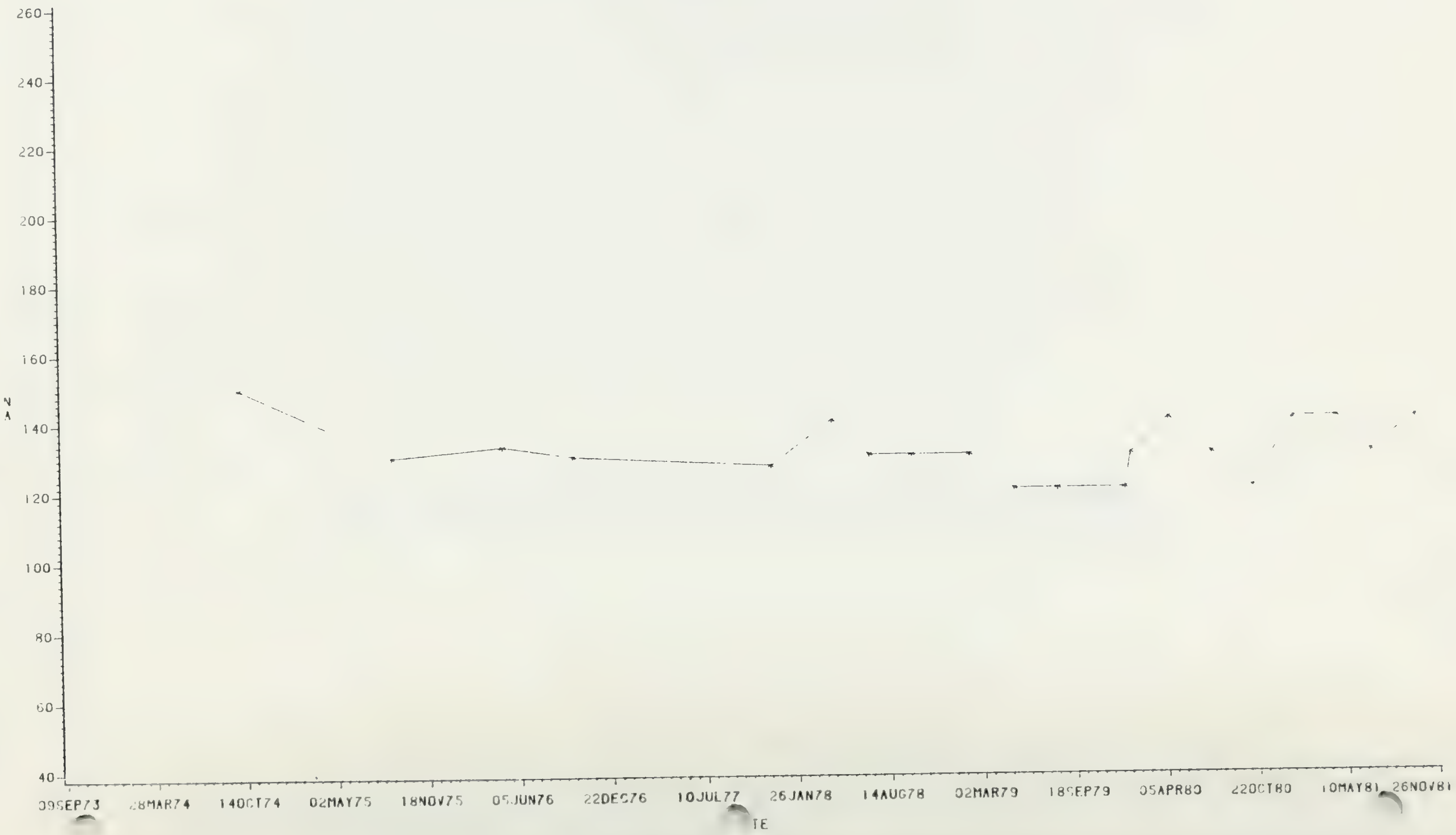
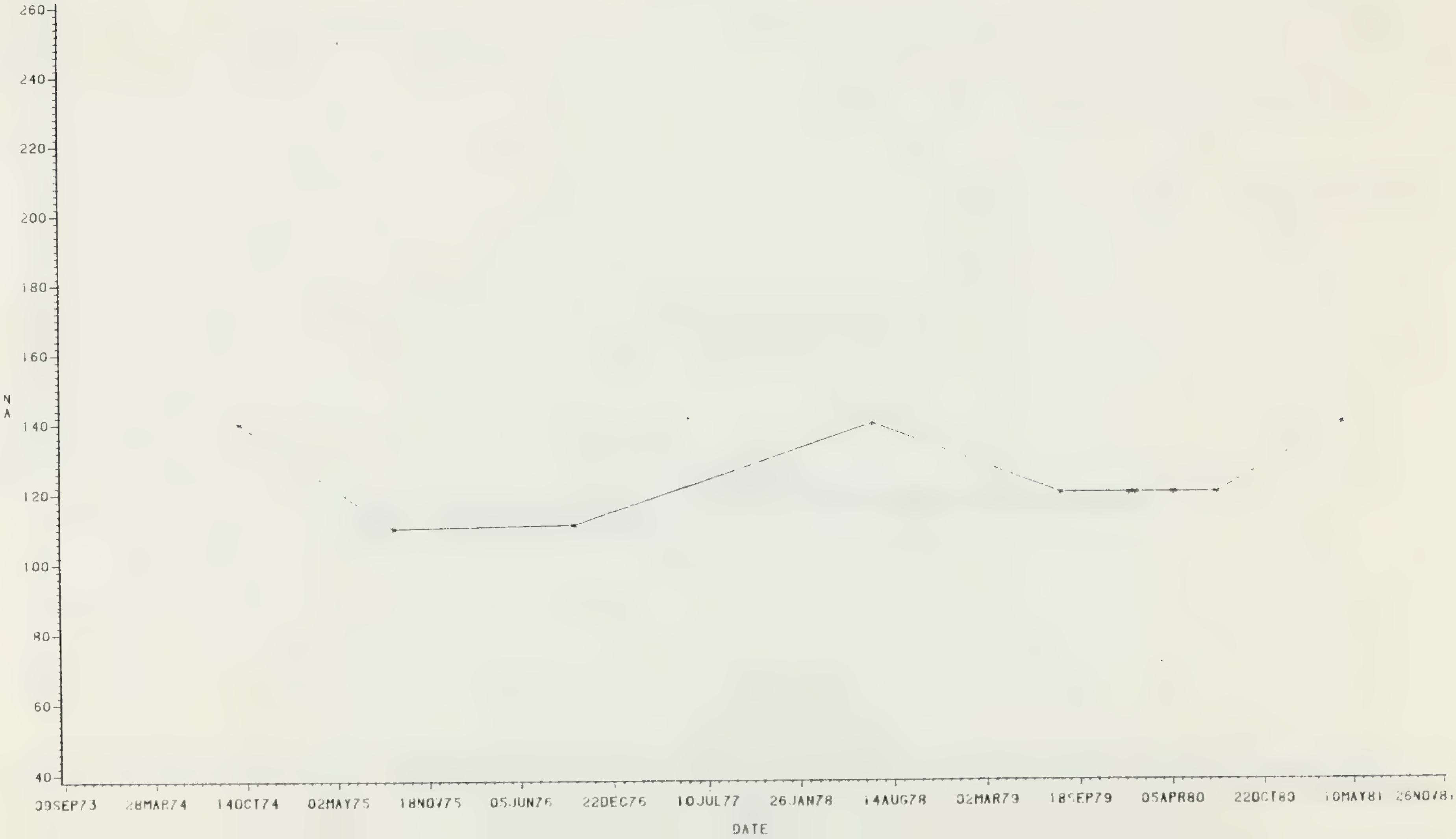


TIME SERIES PLOT OF SODIUM FOR SPRINGS AND SEEPS

LOC=WS08



TIME SERIES PLOT OF SODIUM FOR SPRINGS AND SEEPS

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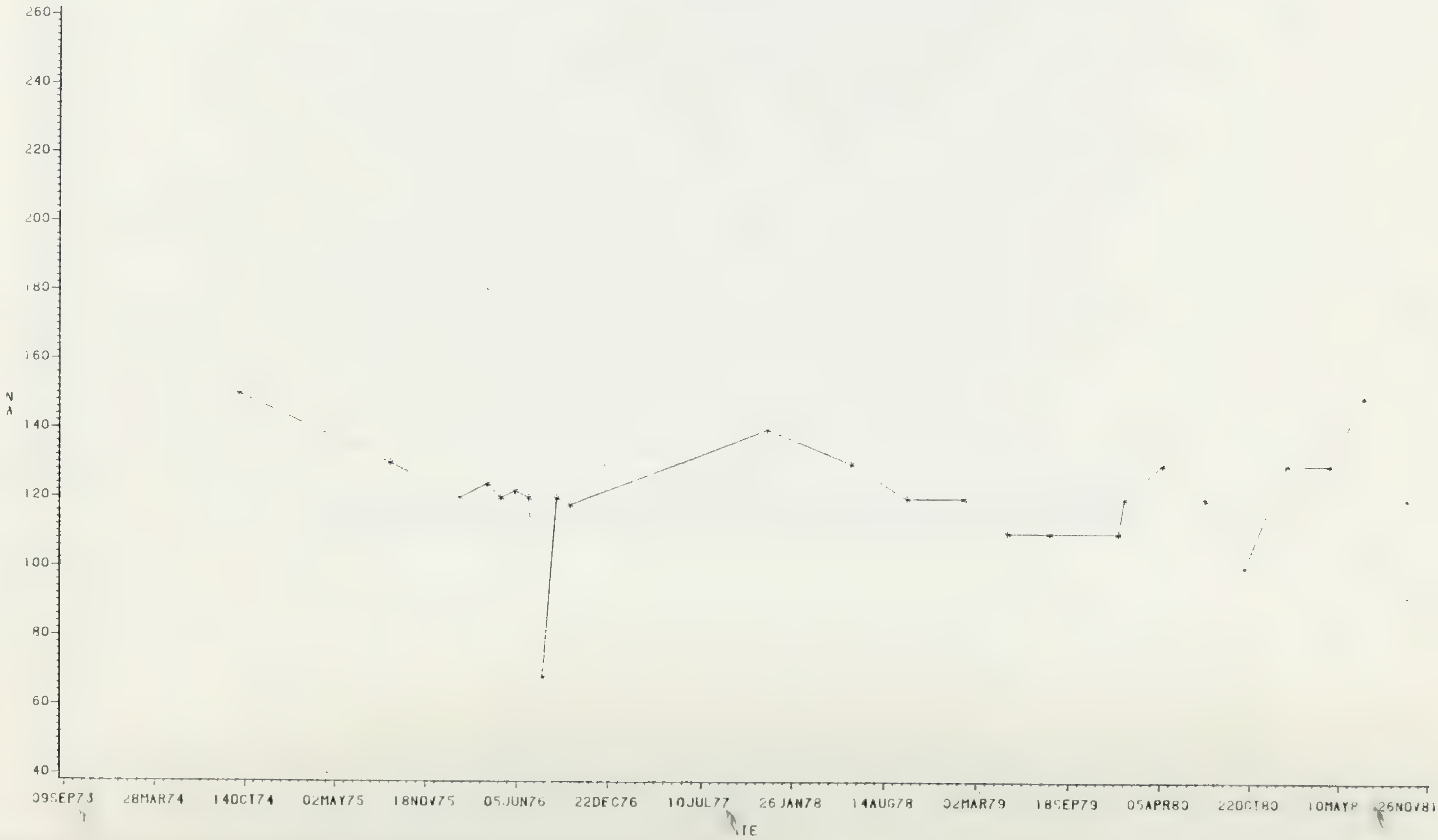
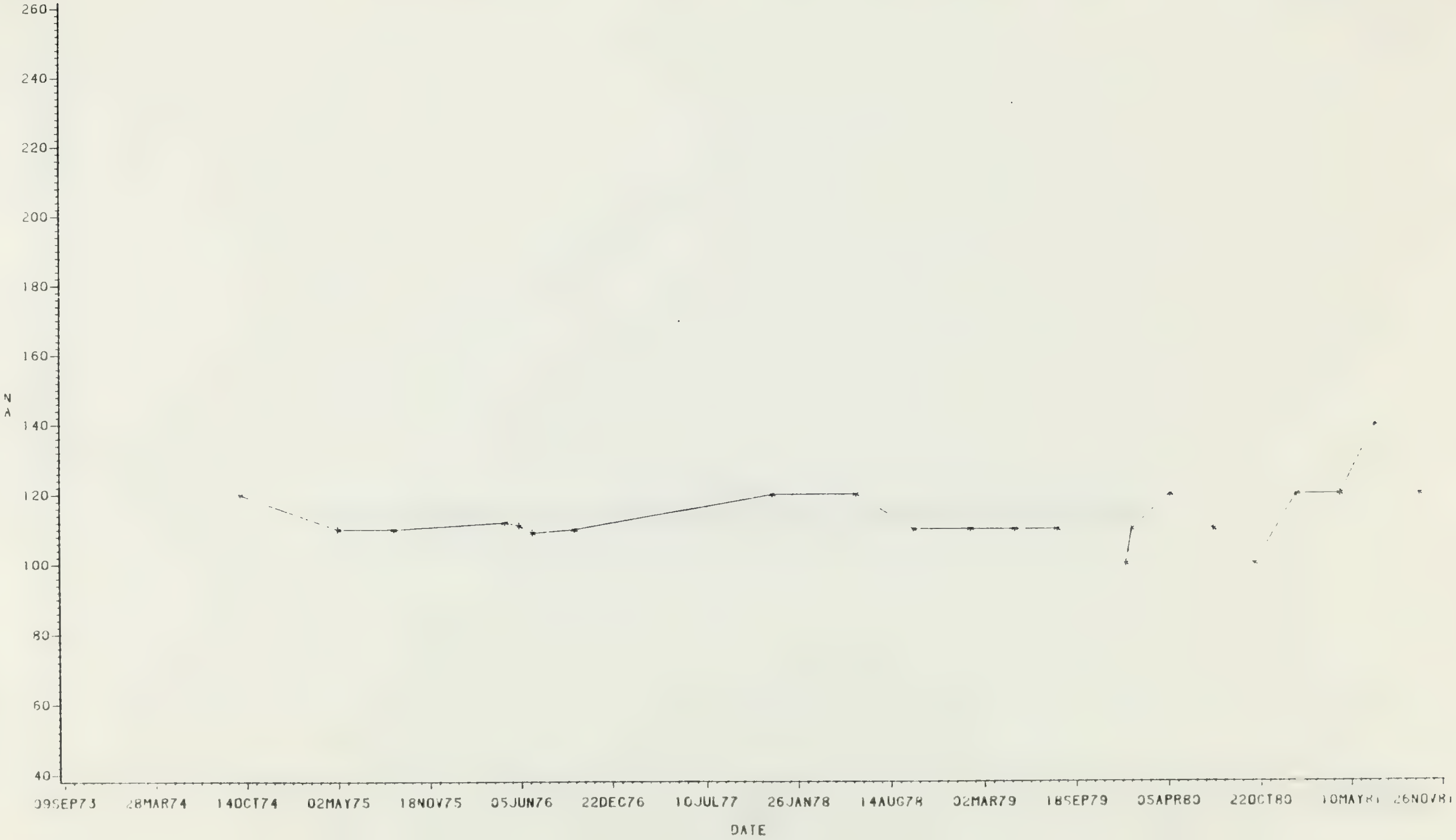


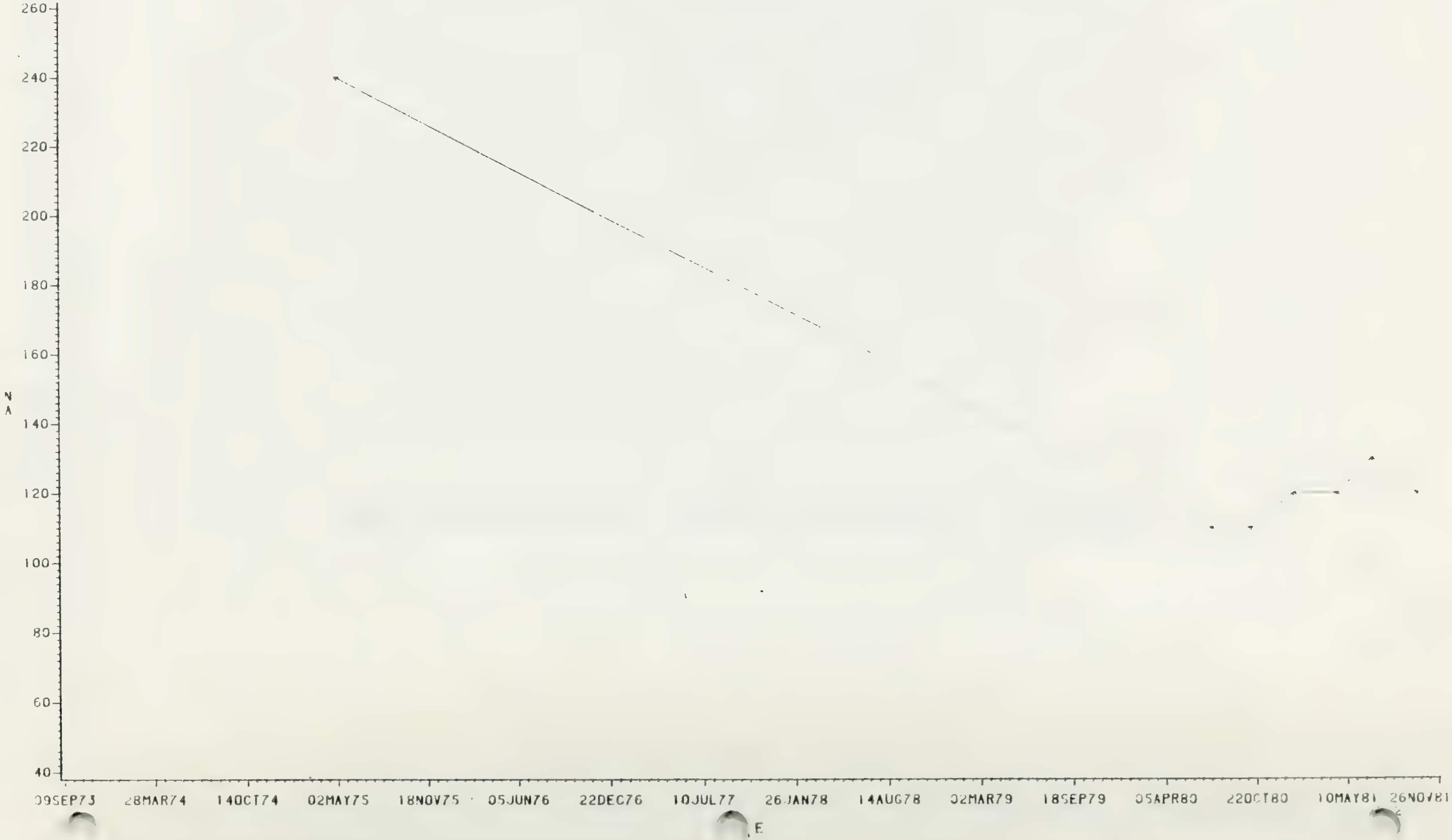
TIME SERIES PLOT OF SODIUM FOR SPRINGS AND SEEPS

LOC=WS10



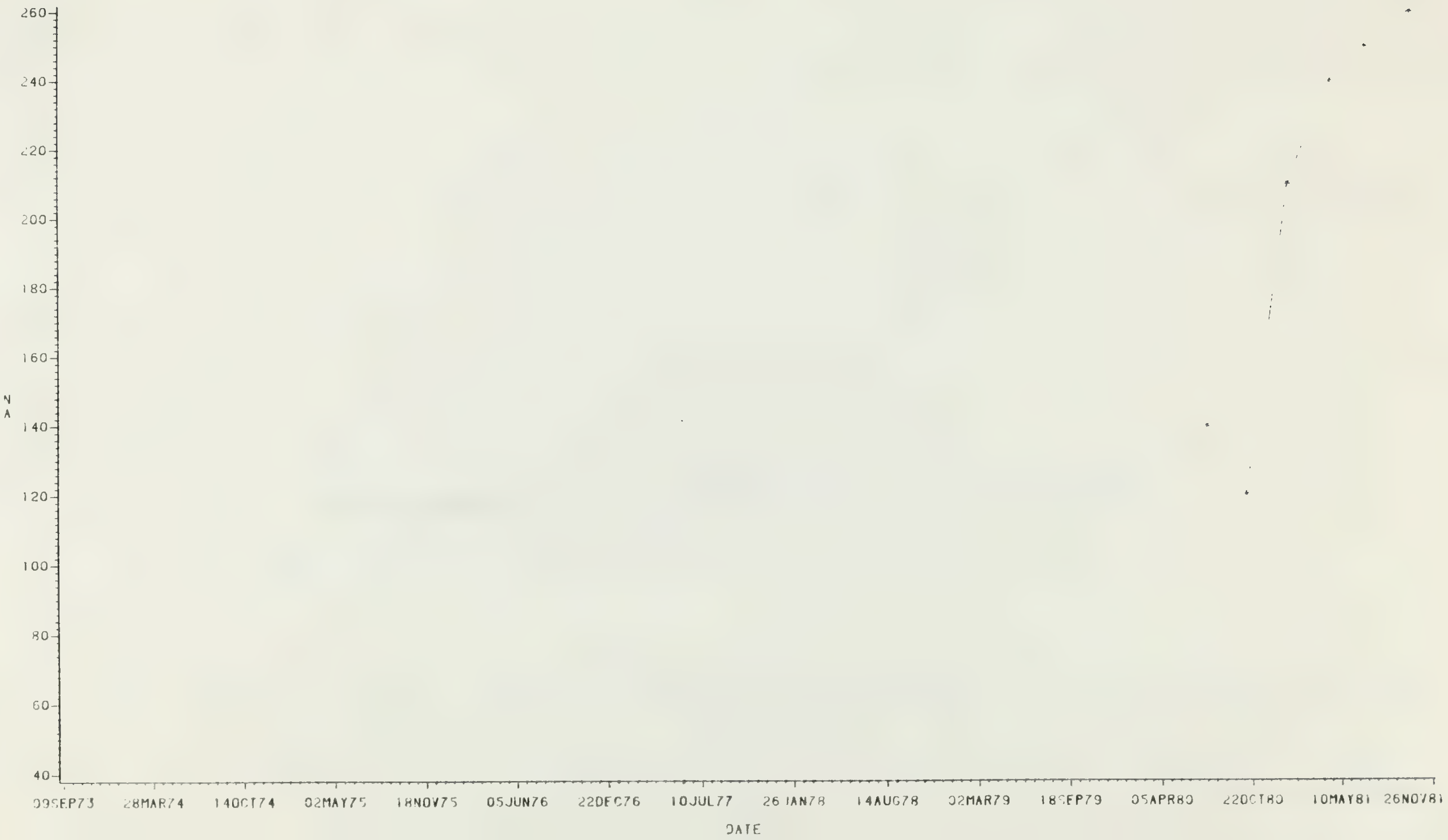
TIME SERIES PLOT OF SODIUM FOR SPRINGS AND SEEPS

LOC=WS11



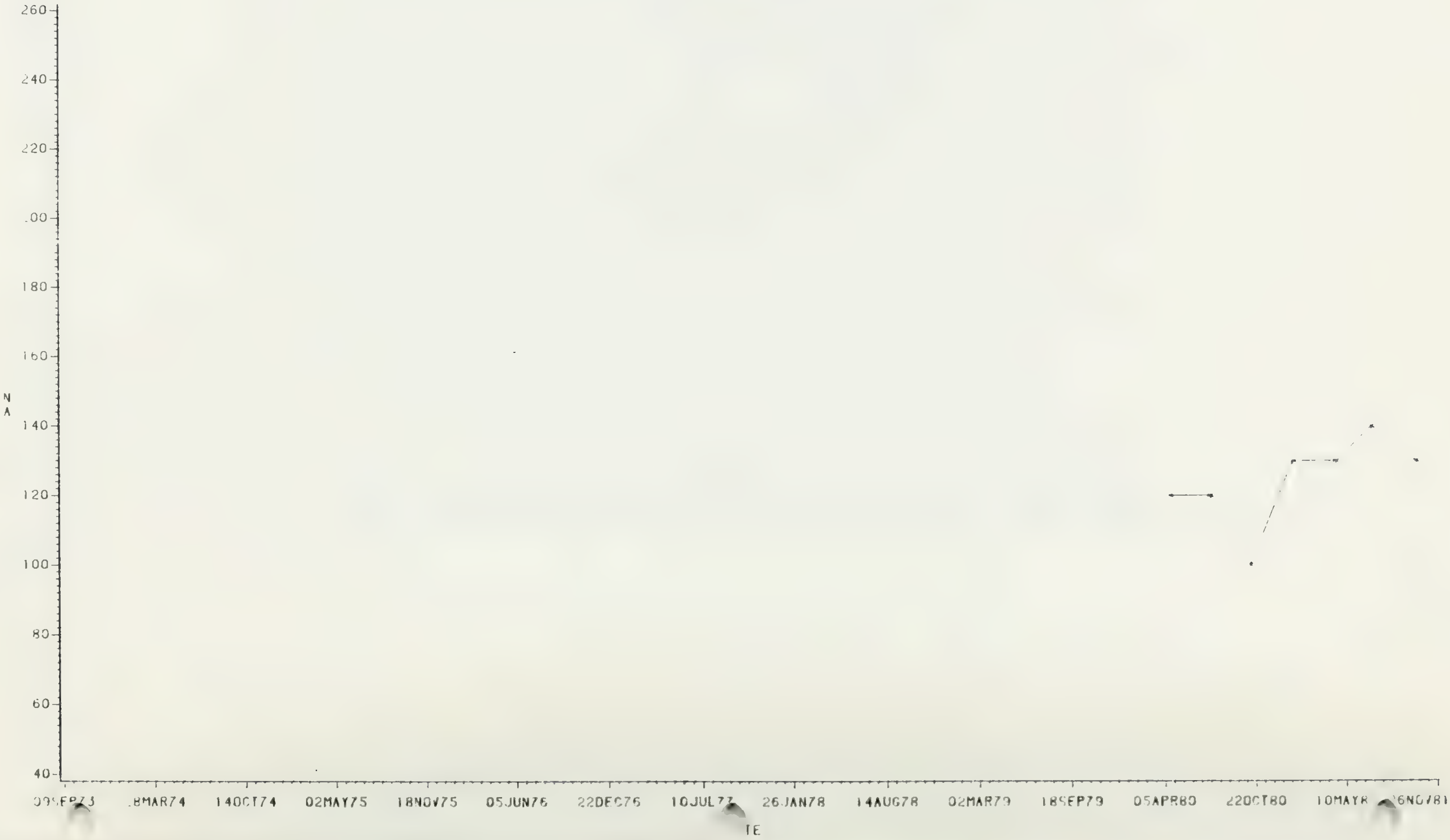
TIME SERIES PLOT OF SODIUM FOR SPRINGS AND SEEPS

LOC=WS12



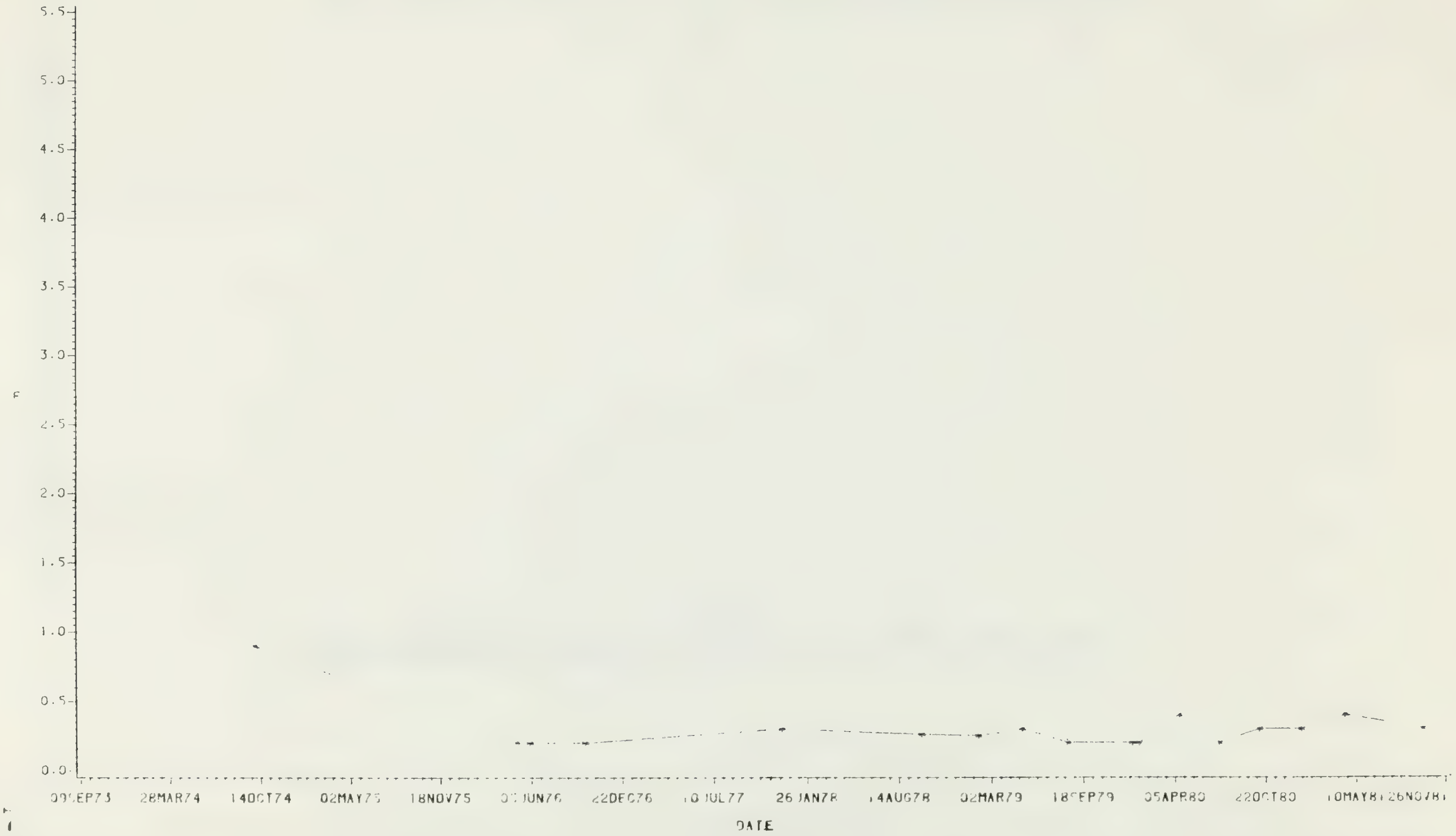
TIME SERIES PLOT OF SODIUM FOR SPRINGS AND SEEPS

LOC=WS36



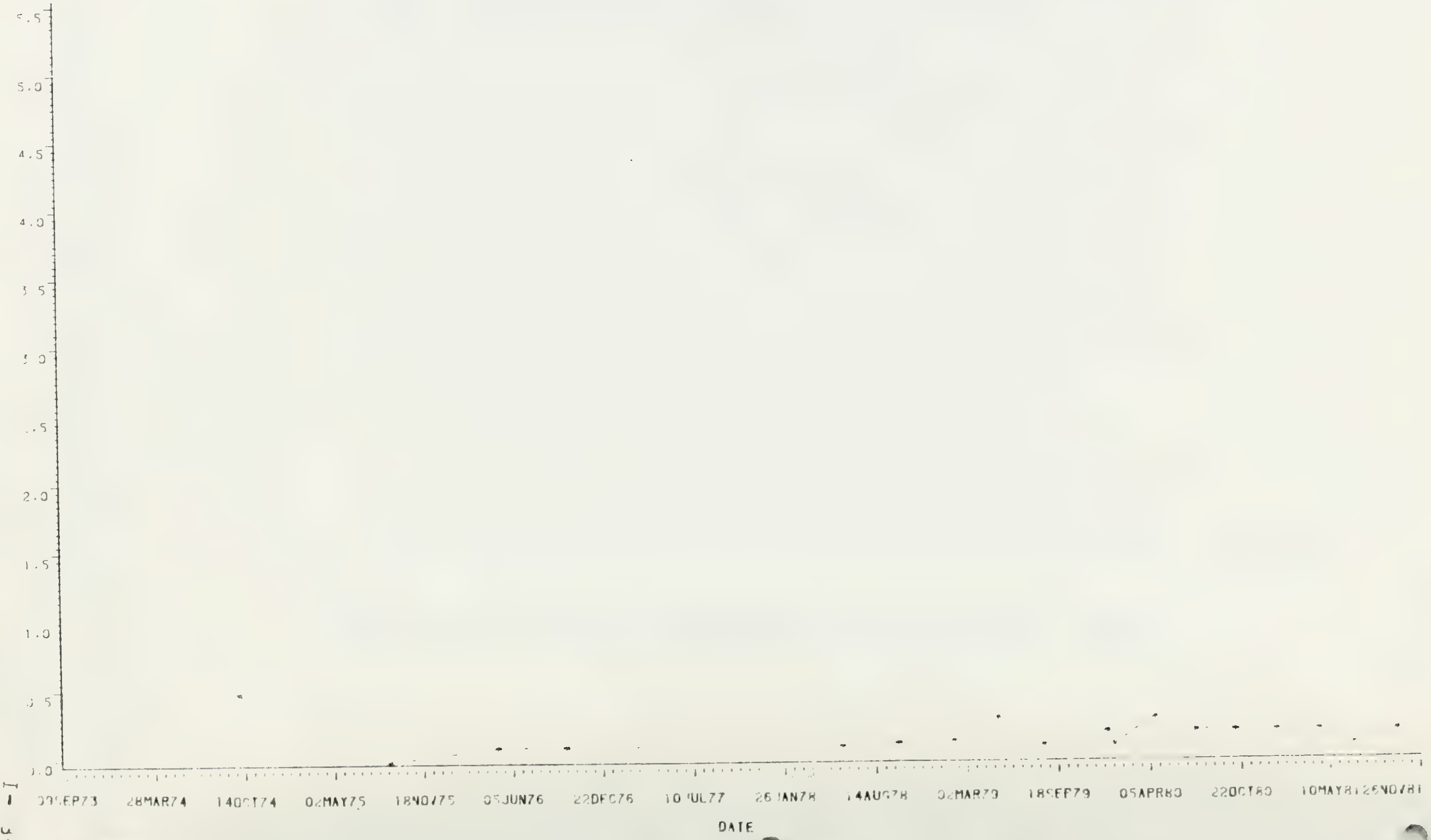
TIME SERIES PLOT OF FLUORIDE FOR SPRINGS AND SEEPS

LOC=WS01



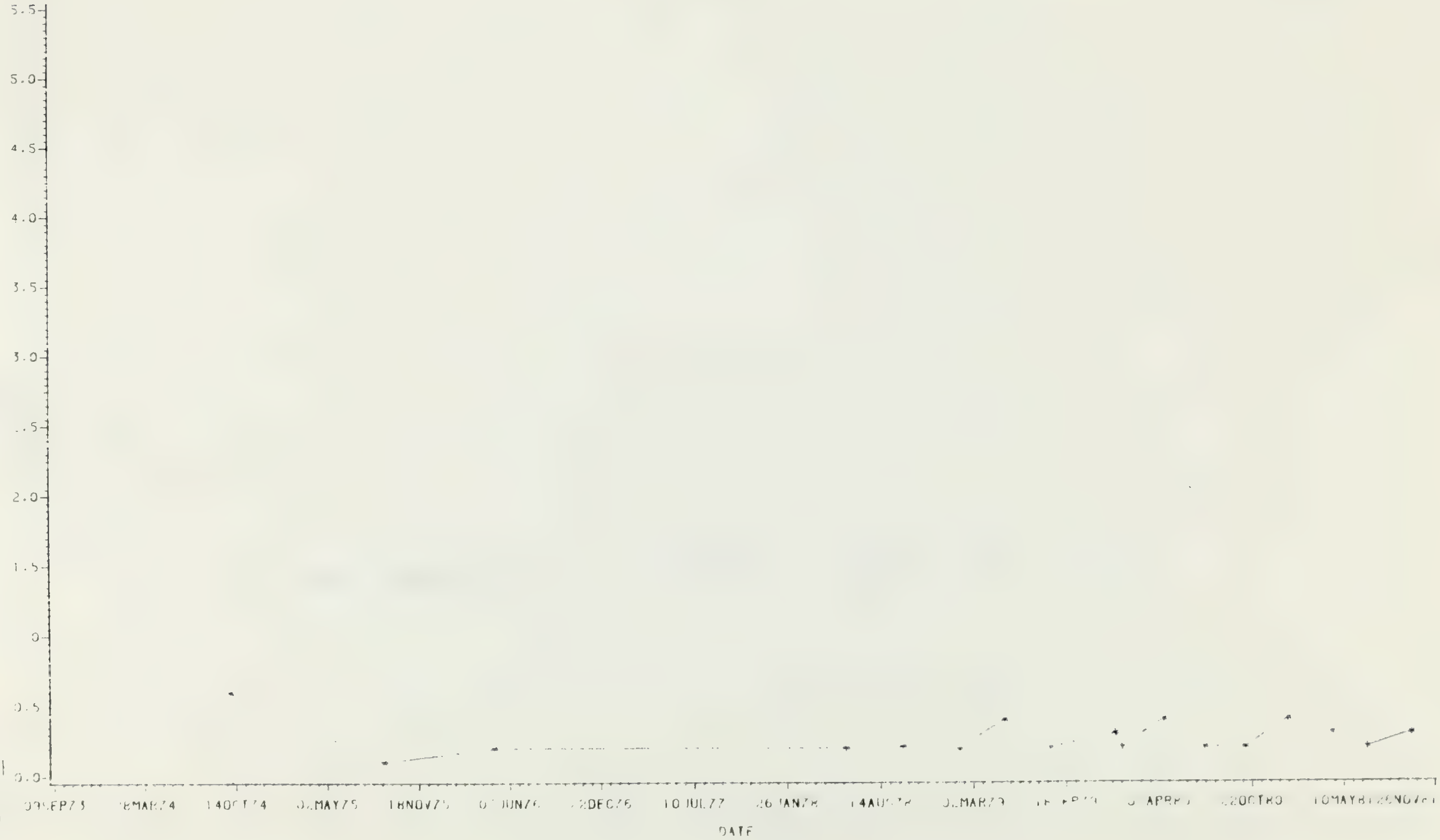
TIME SERIES PLOT OF FLUORIDE FOR SPRINGS AND SEEPS

LOC=WS02



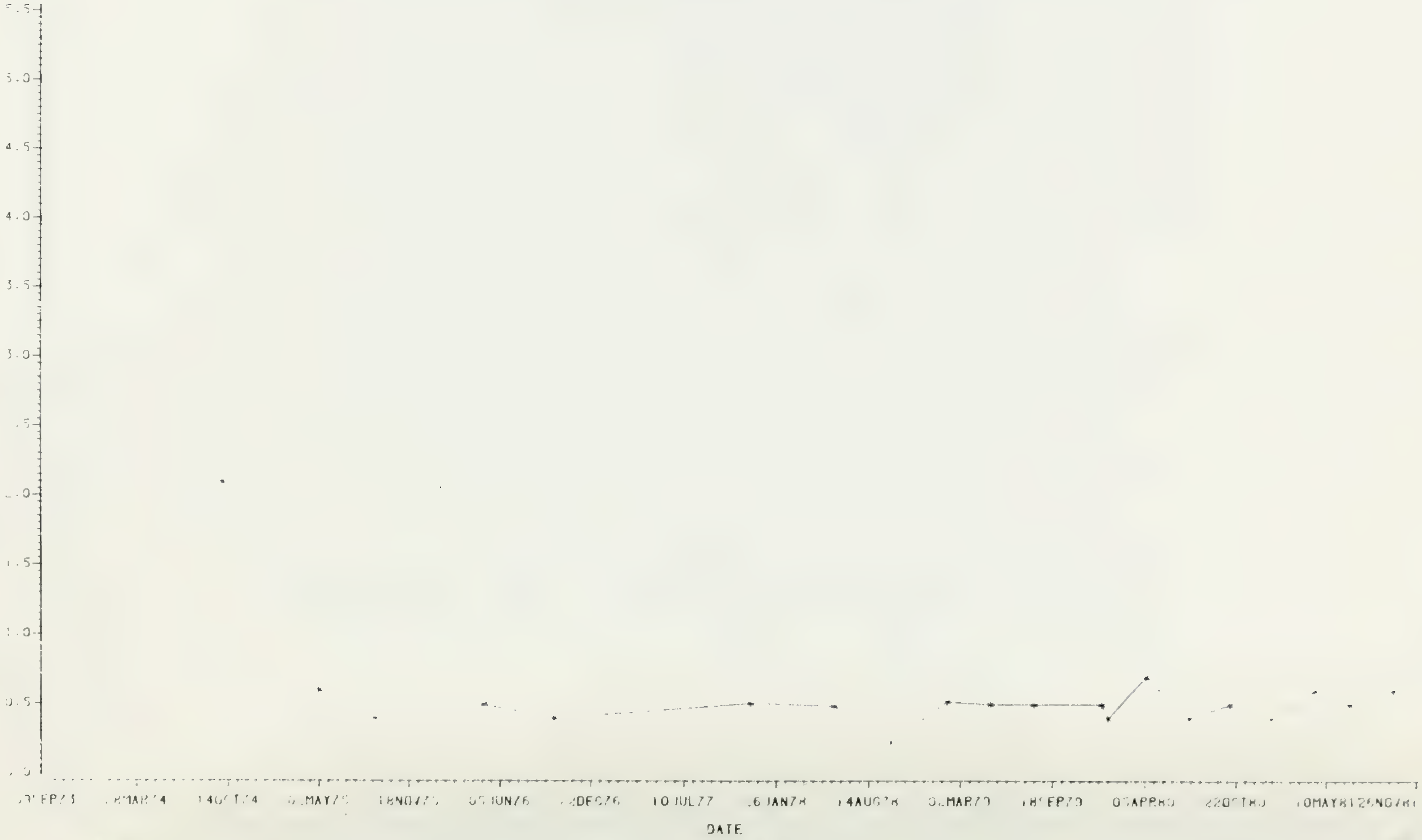
TIME SERIES PLOT OF FLUORIDE FOR SPRINGS AND SEEPS

LOC=WS04



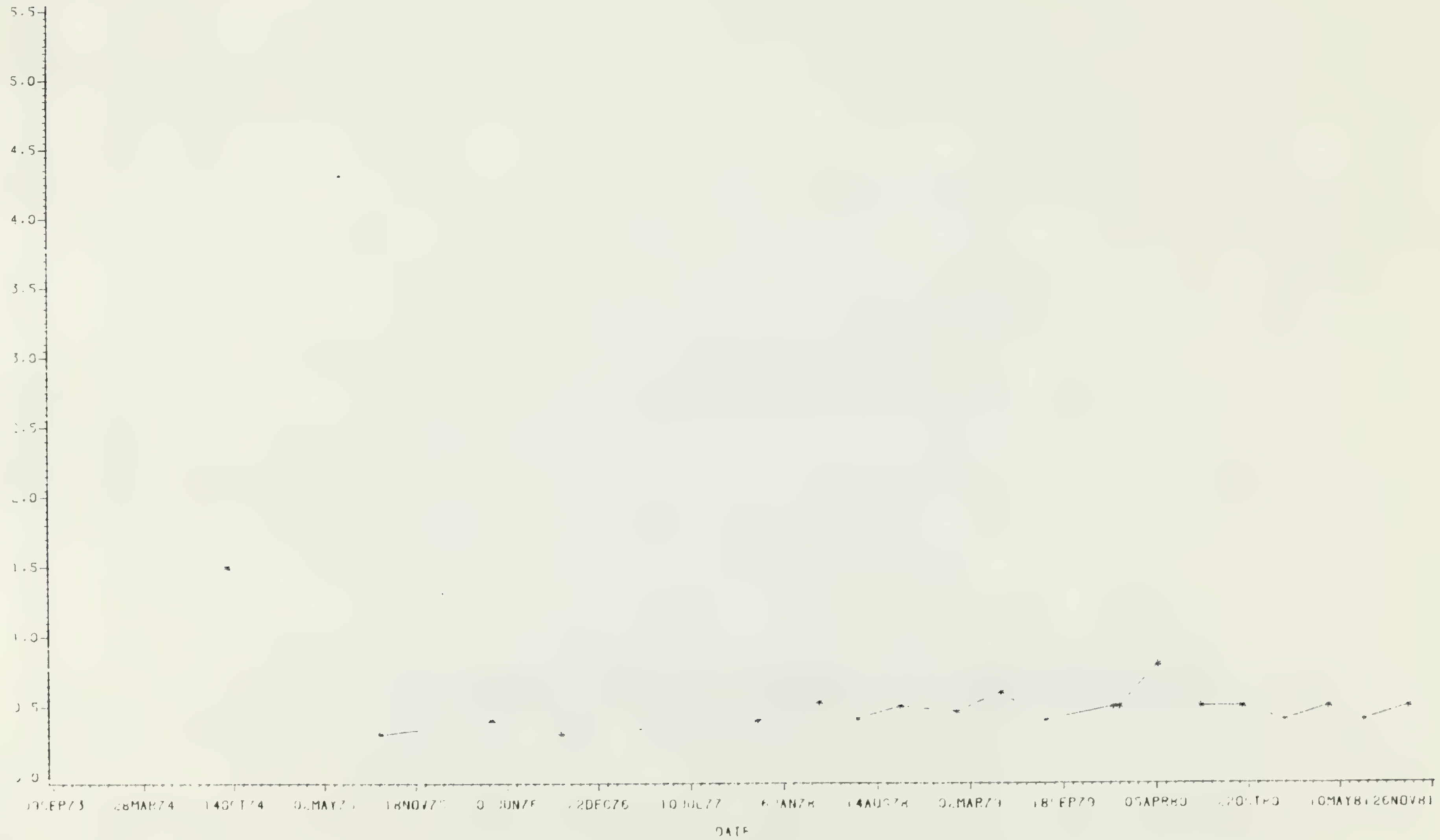
TIME SERIES PLOT OF FLUORIDE FOR SPRINGS AND SEEPS

LOC=WS06

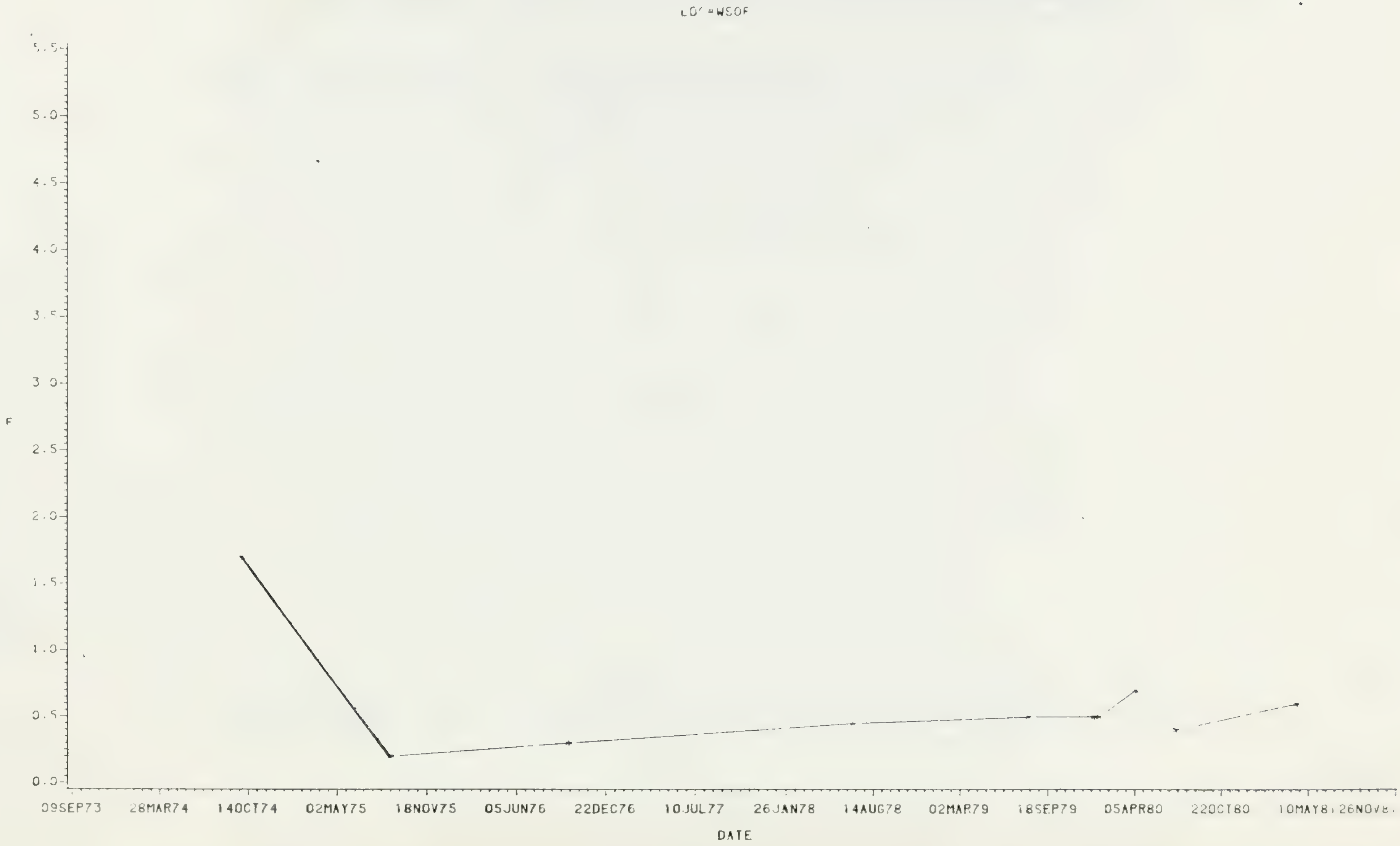


TIME SERIES PLOT OF FLUORIDE FOR SPRINGS AND SEEPS

LOC=WS07

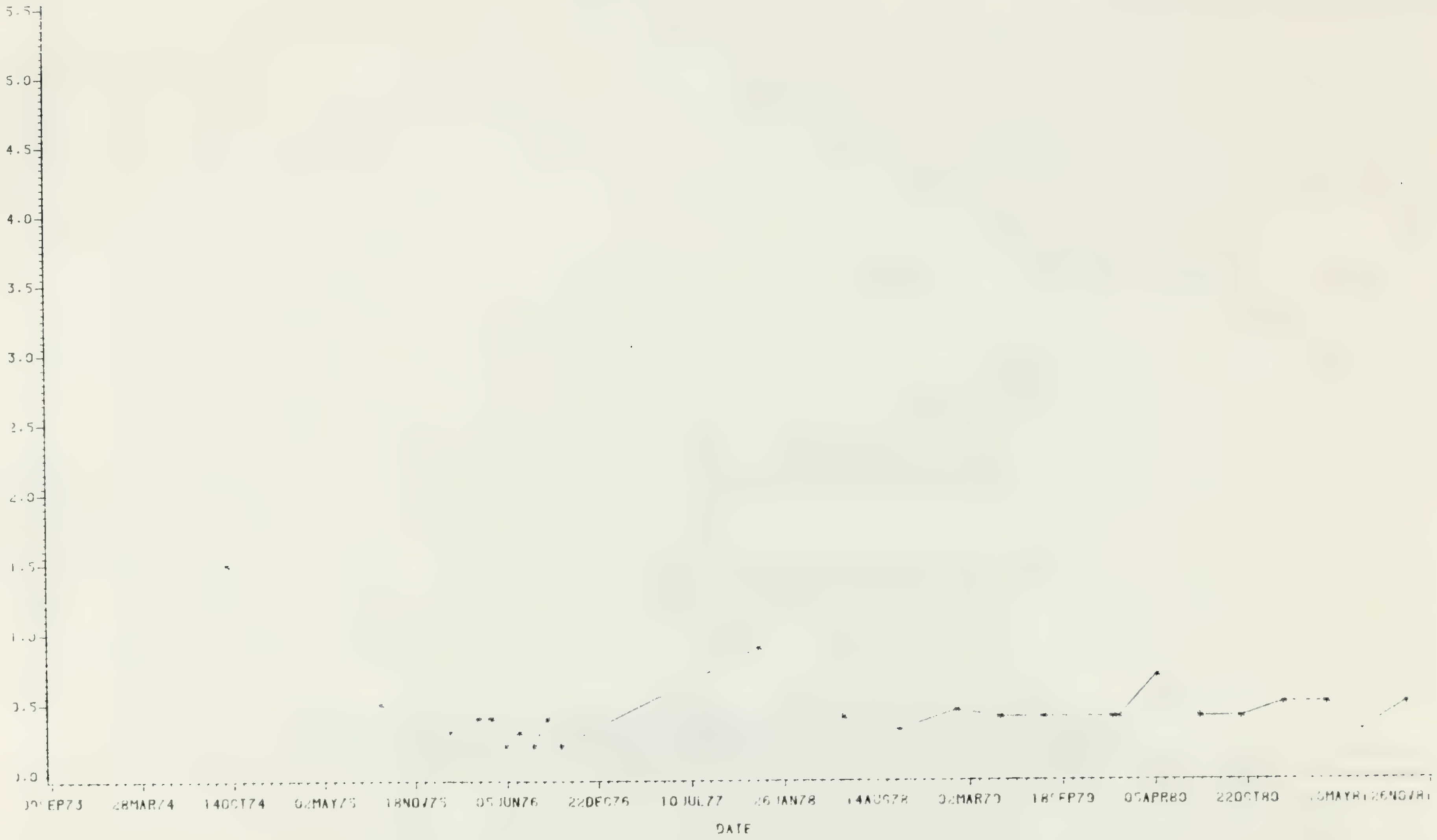


TIME SERIES PLOT OF FLUORIDE FOR SPRINGS AND SEEPS



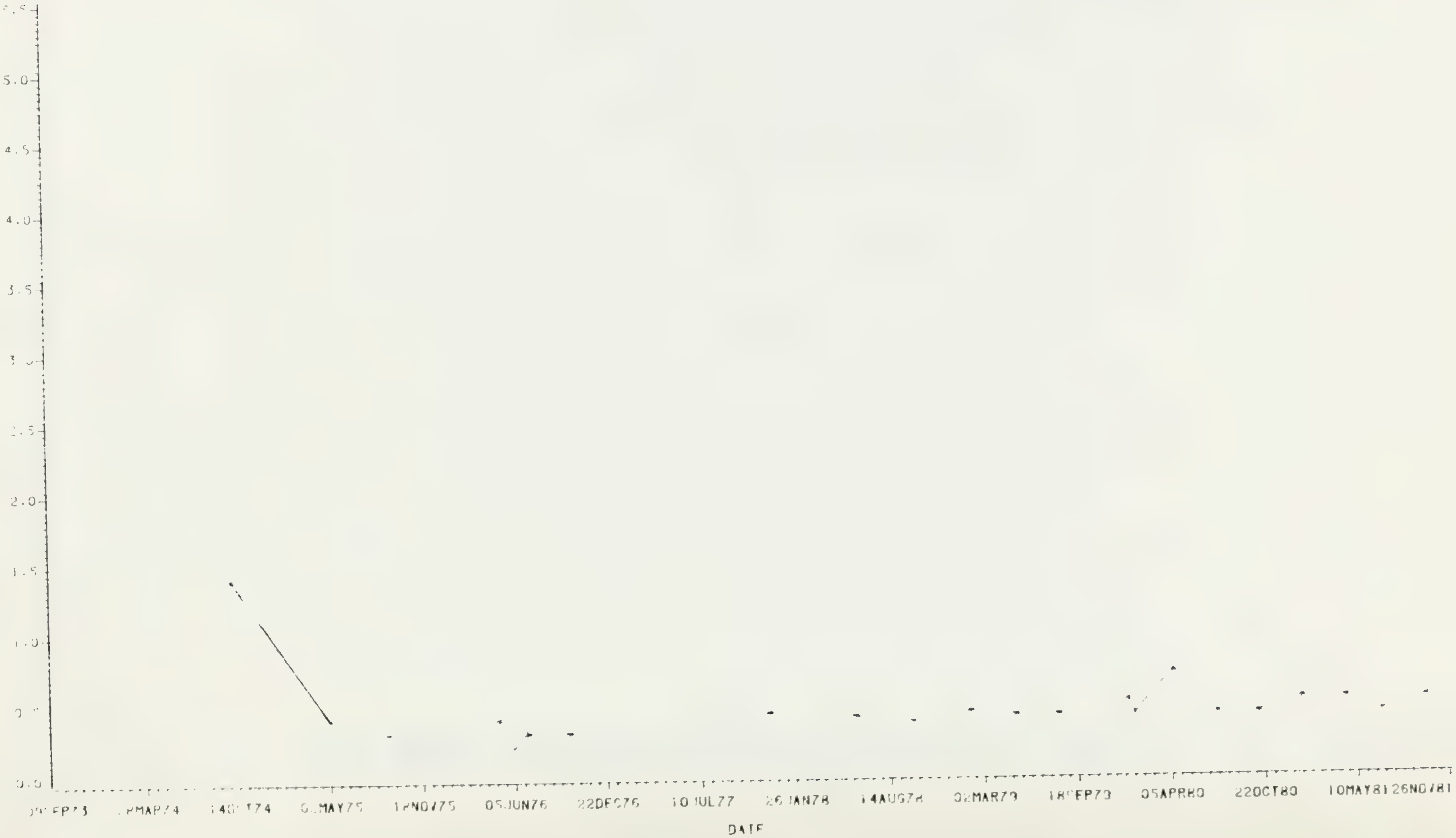
TIME SERIES PLOT OF FLUORIDE FOR SPRINGS AND SEEPS

LOC=WS09



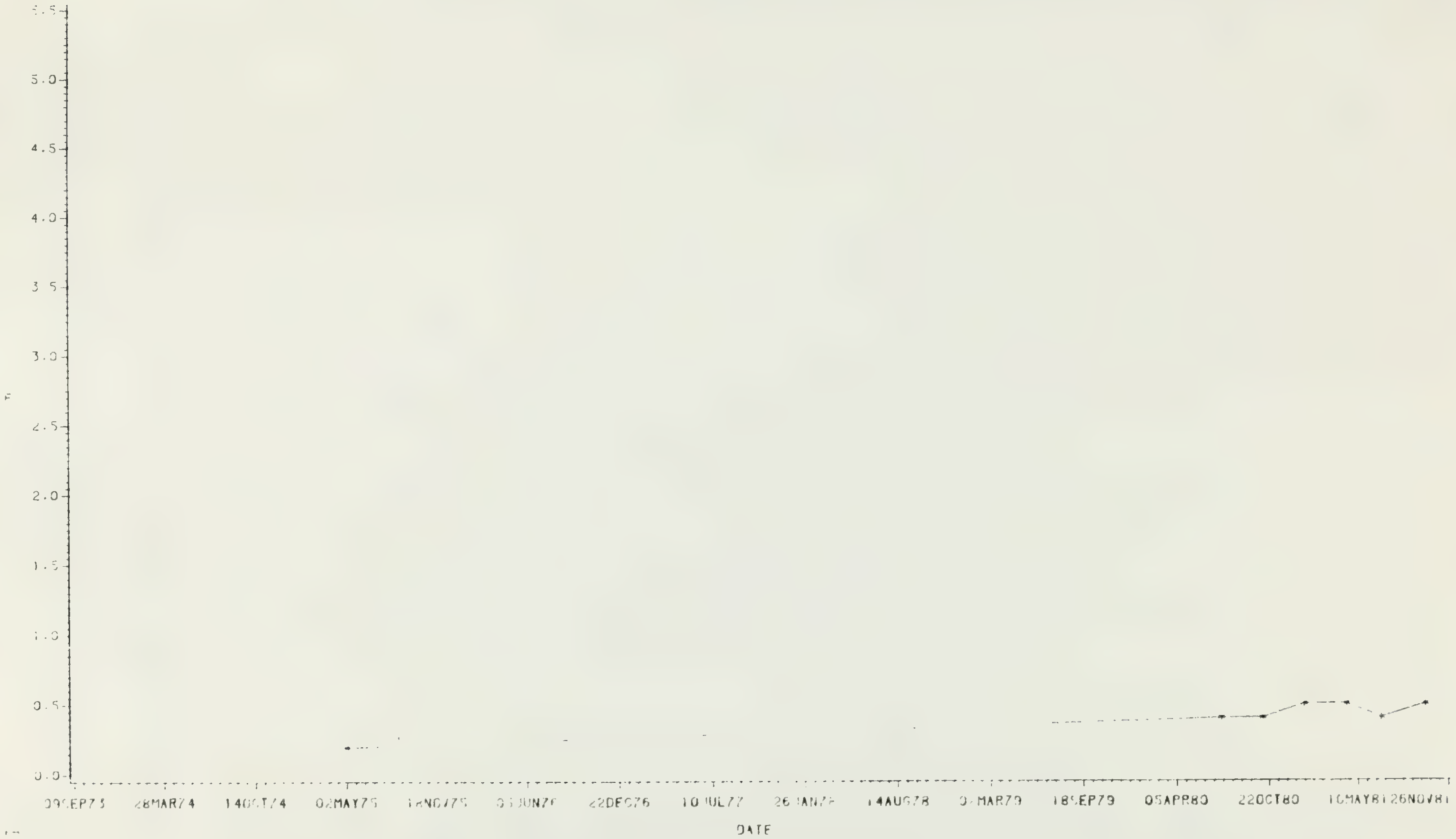
TIME SERIES PLOT OF FLUORIDE FOR SPRINGS AND SEEPS

LOC=WS10



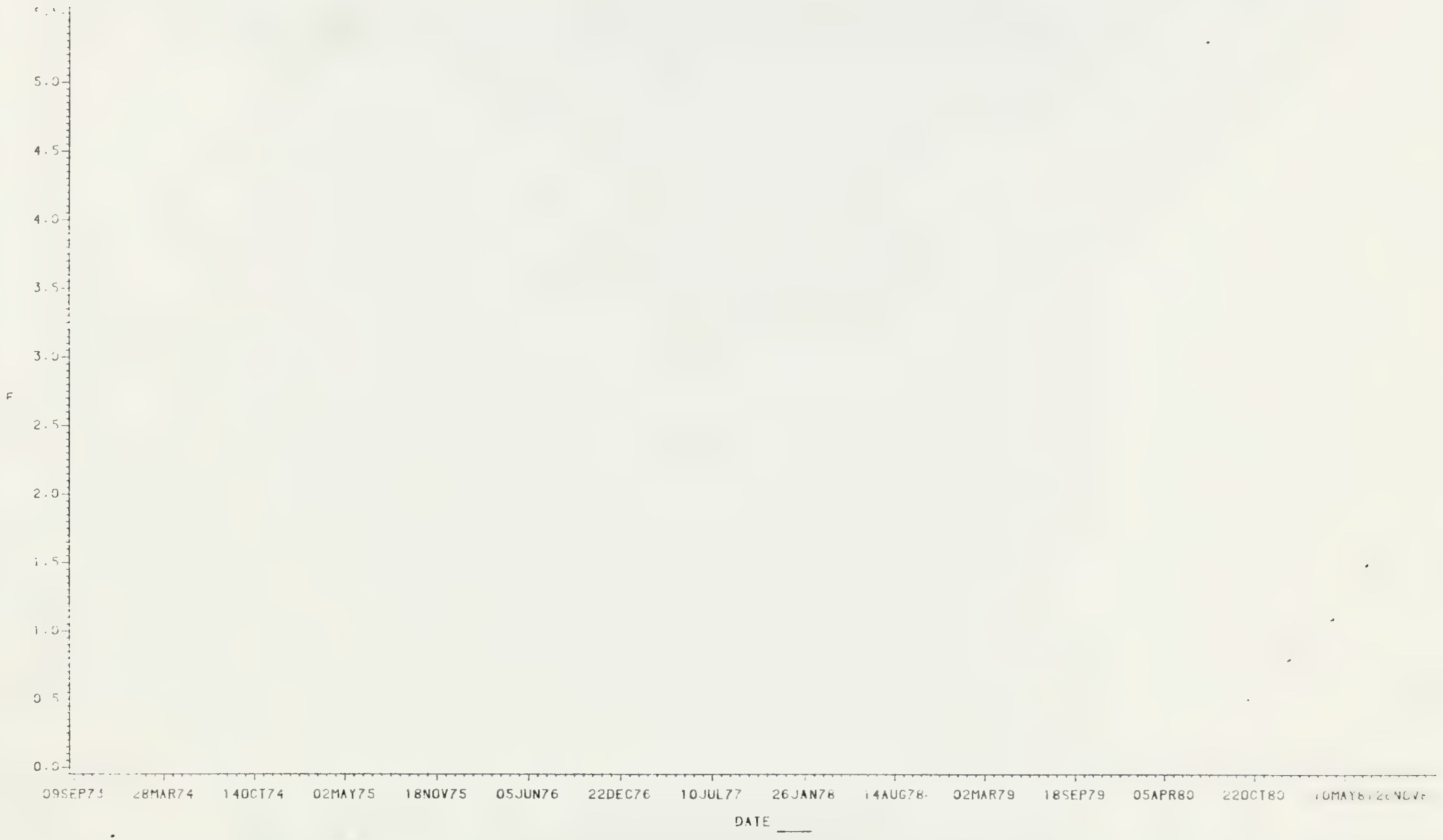
TIME SERIES PLOT OF FLUORIDE FOR SPRINGS AND SEEPS

LOC=WS11



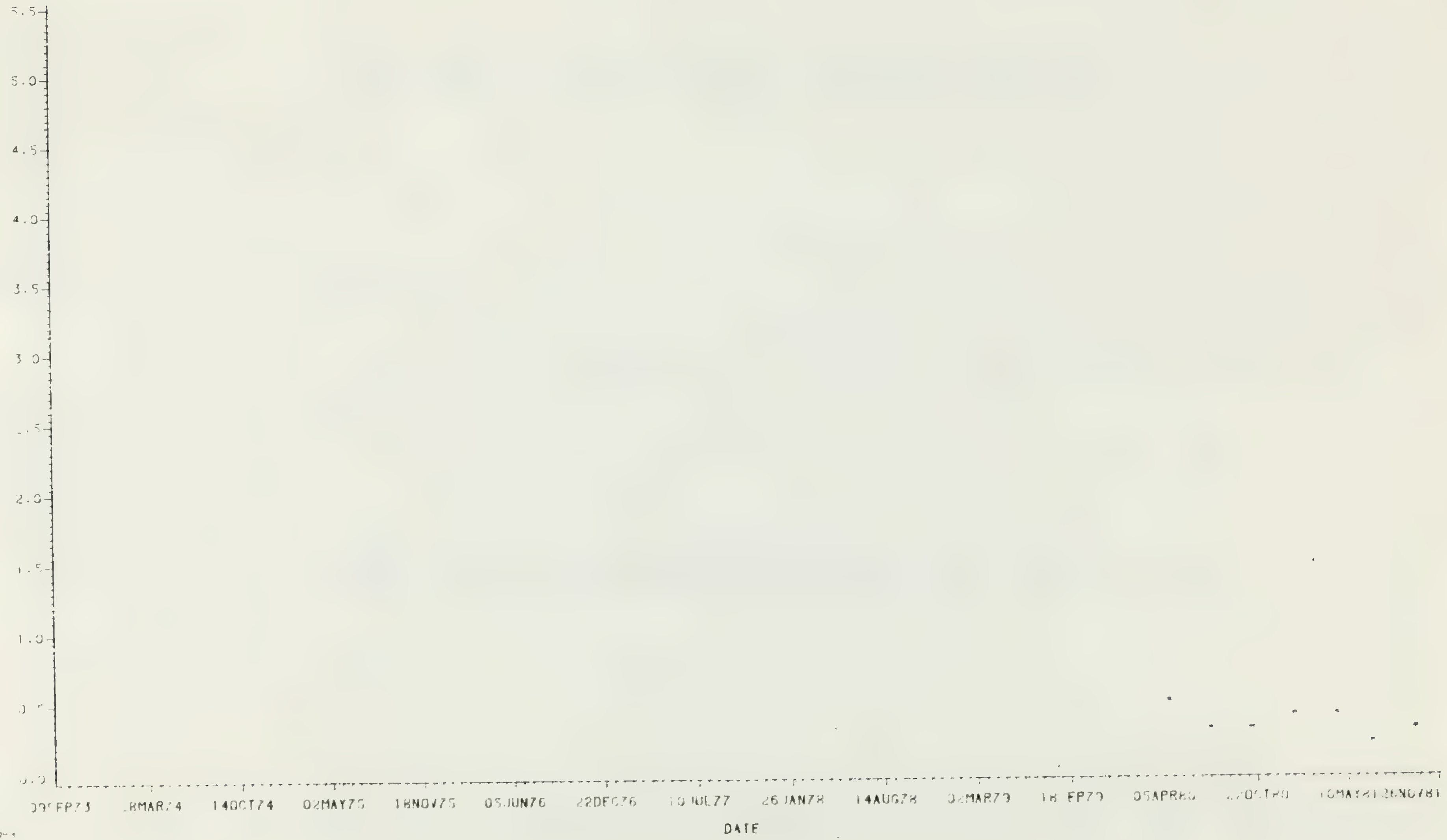
TIME SERIES PLOT OF FLUORIDE FOR SPRINGS AND SEEPS

LOC=WS12



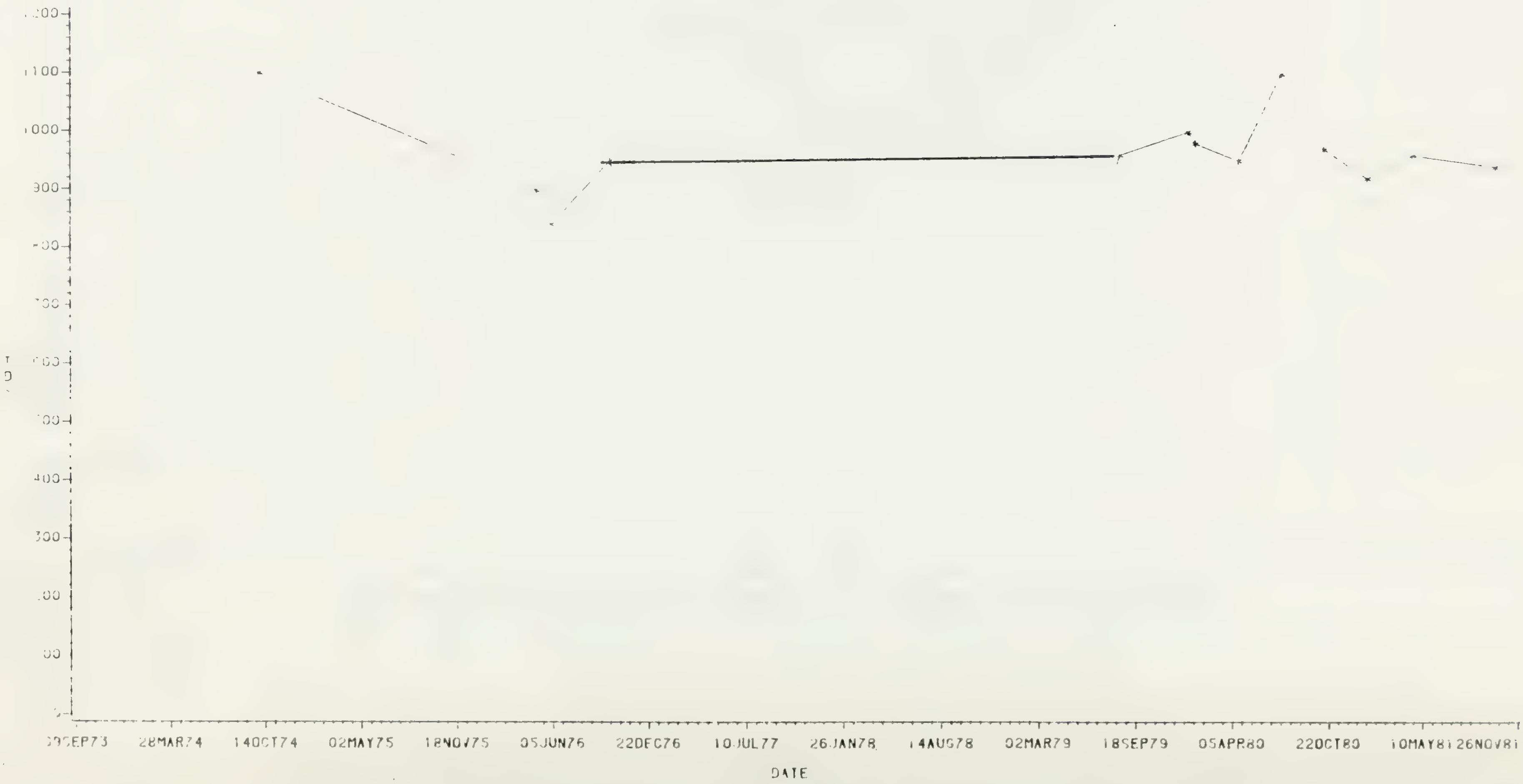
TIME SERIES PLOT OF FLUORIDE FOR SPRINGS AND SEEPS

LOC=WS36



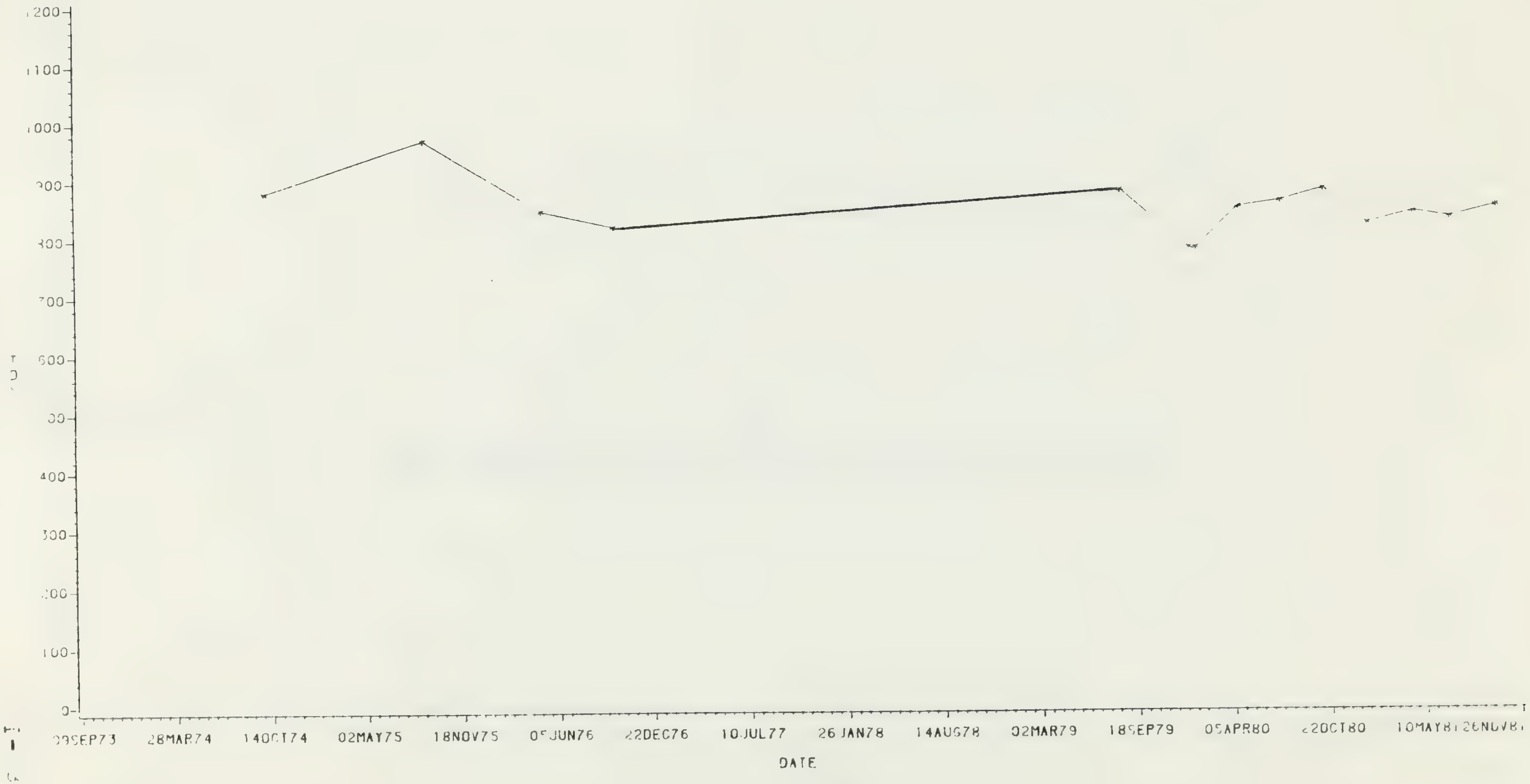
TIME SERIES PLOT OF TDS FOR SPRINGS AND SEEPS

LOC=WS01



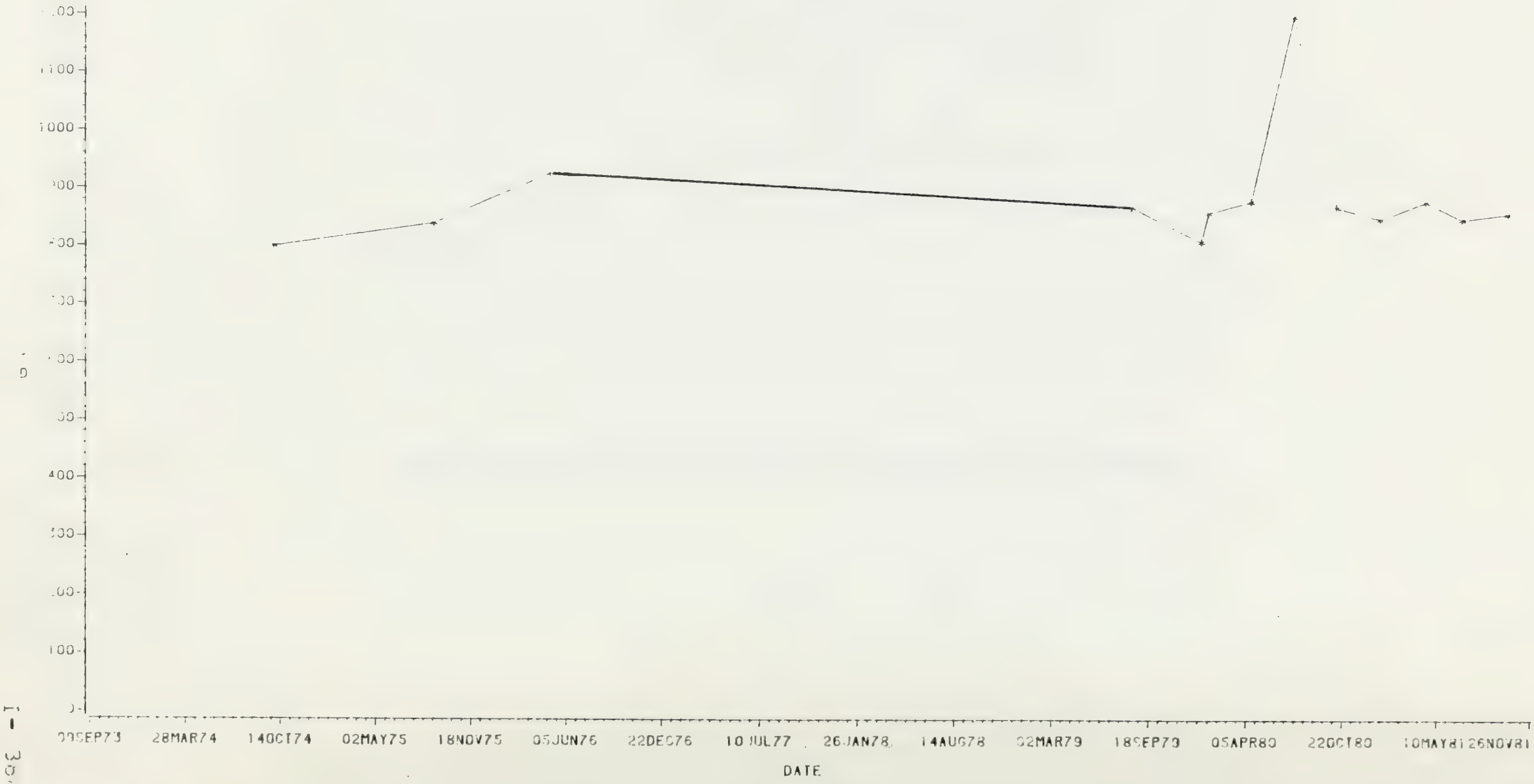
TIME SERIES PLOT OF TDS FOR SPRINGS AND SEEPS

LOC=WS02



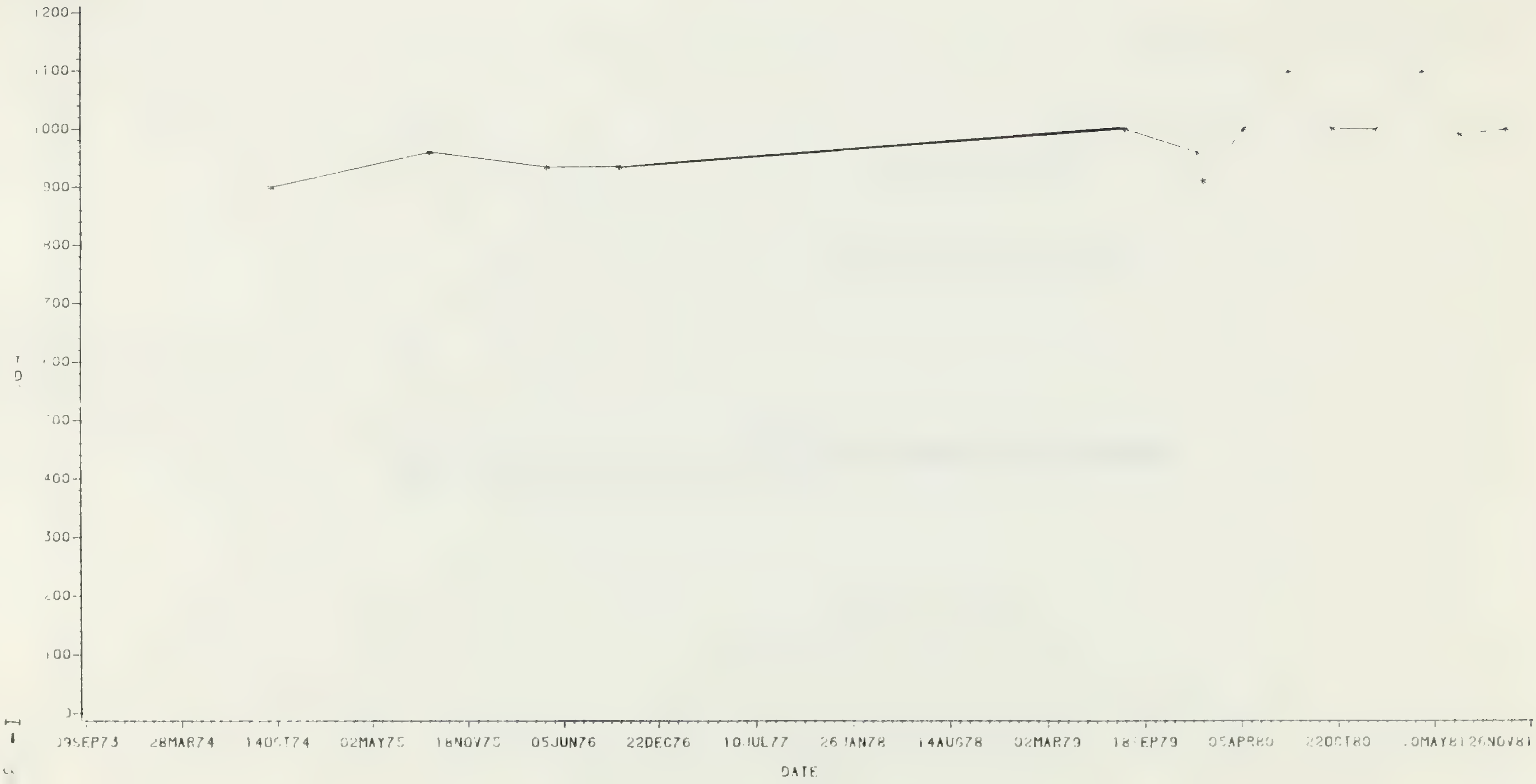
TIME SERIES PLOT OF TDS FOR SPRINGS AND SEEPS

LOC=WS04



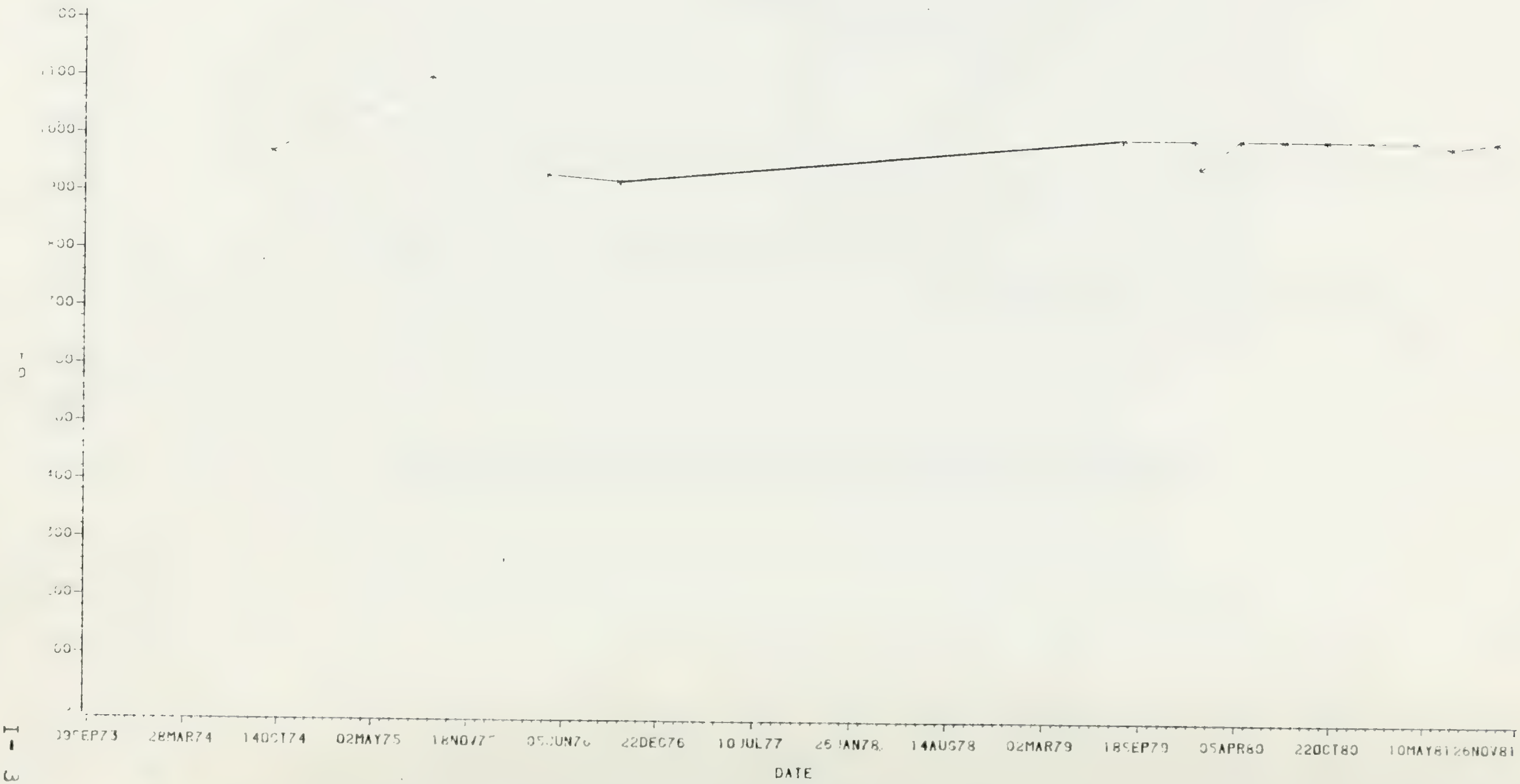
TIME SERIES PLOT OF TDS FOR SPRINGS AND SEEPS

LOC=WS06



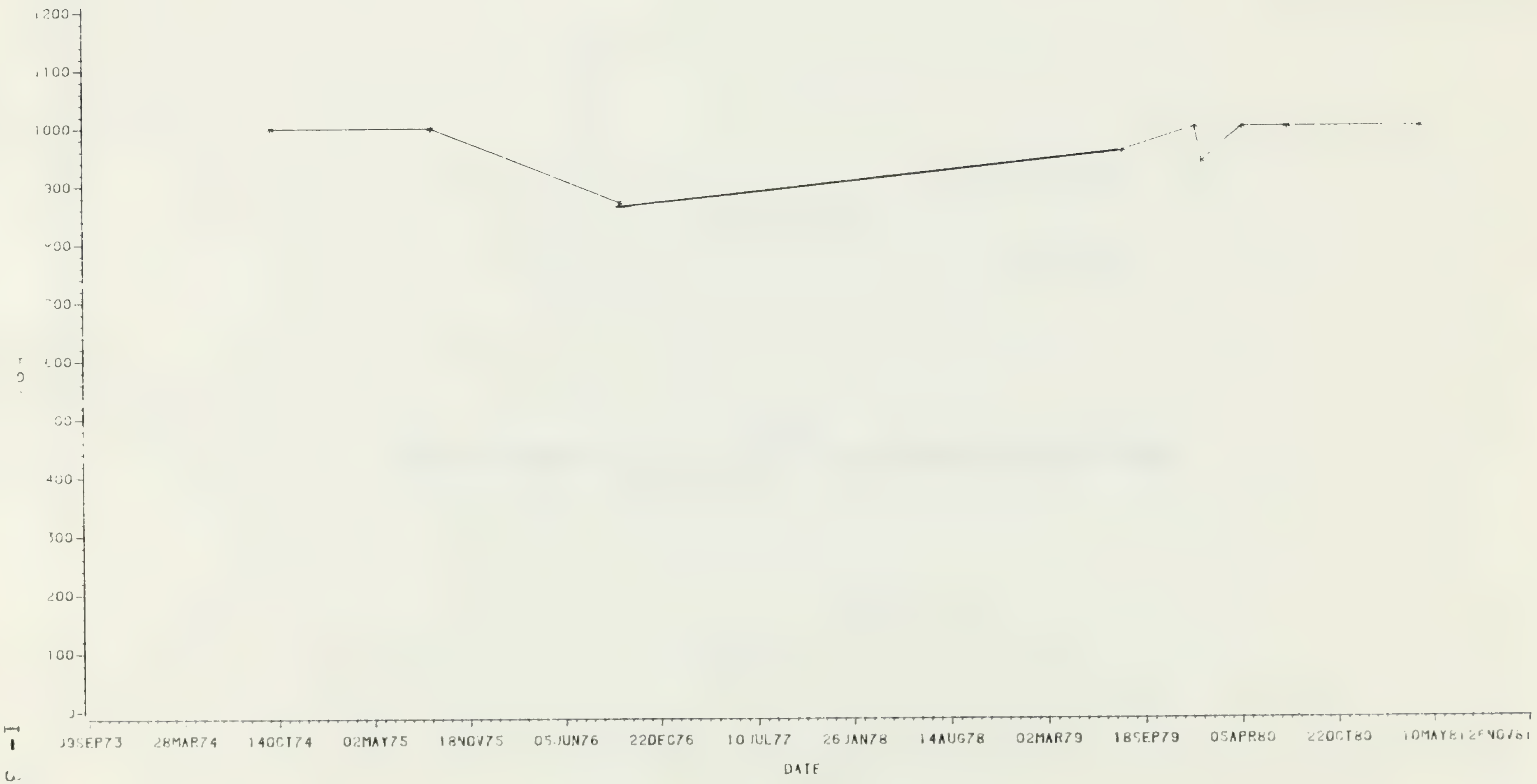
TIME SERIES PLOT OF TDS FOR SPRINGS AND SEEPS

LOC=WS07



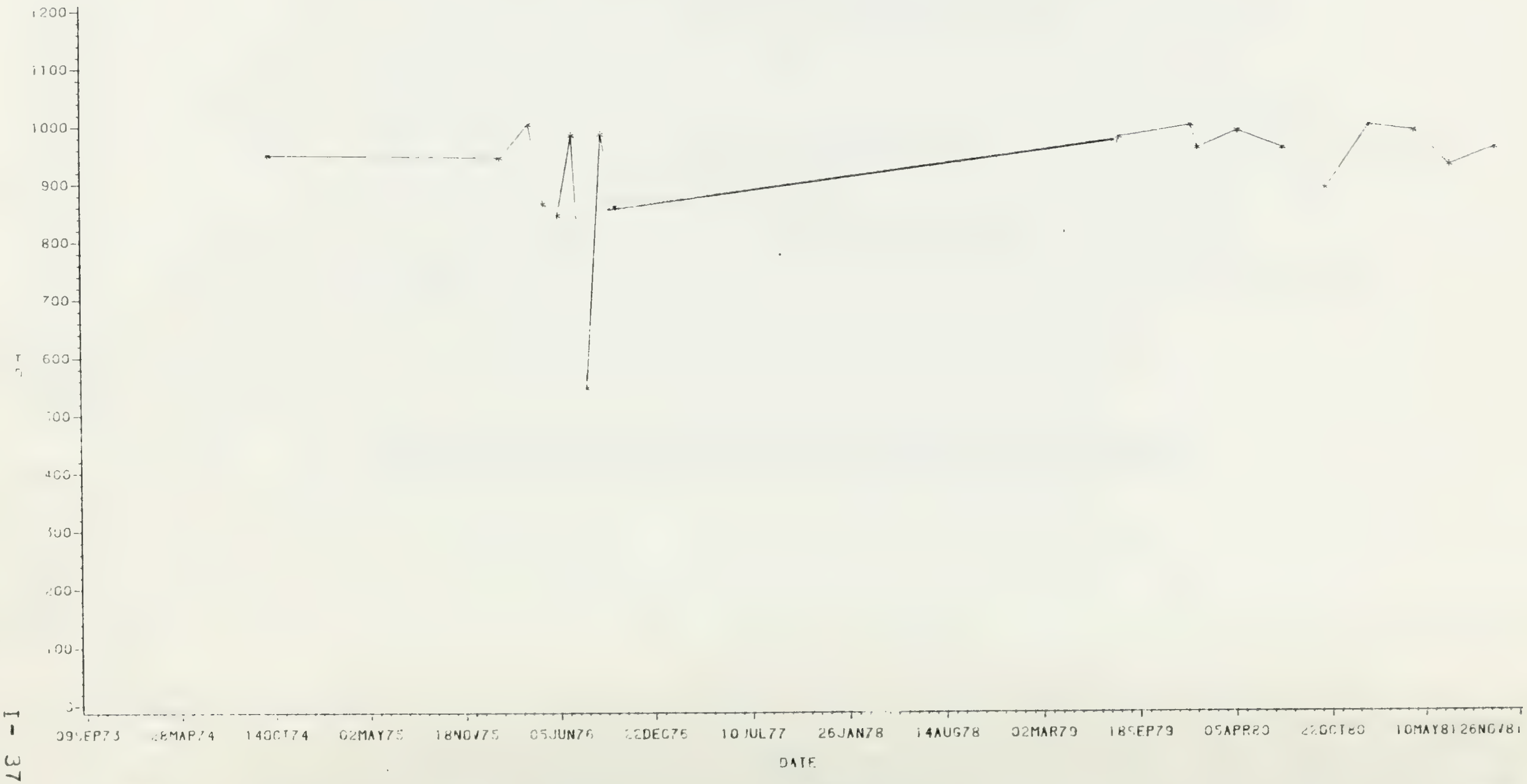
TIME SERIES PLOT OF TDS FOR SPRINGS AND SEEPS

LOC=WS08



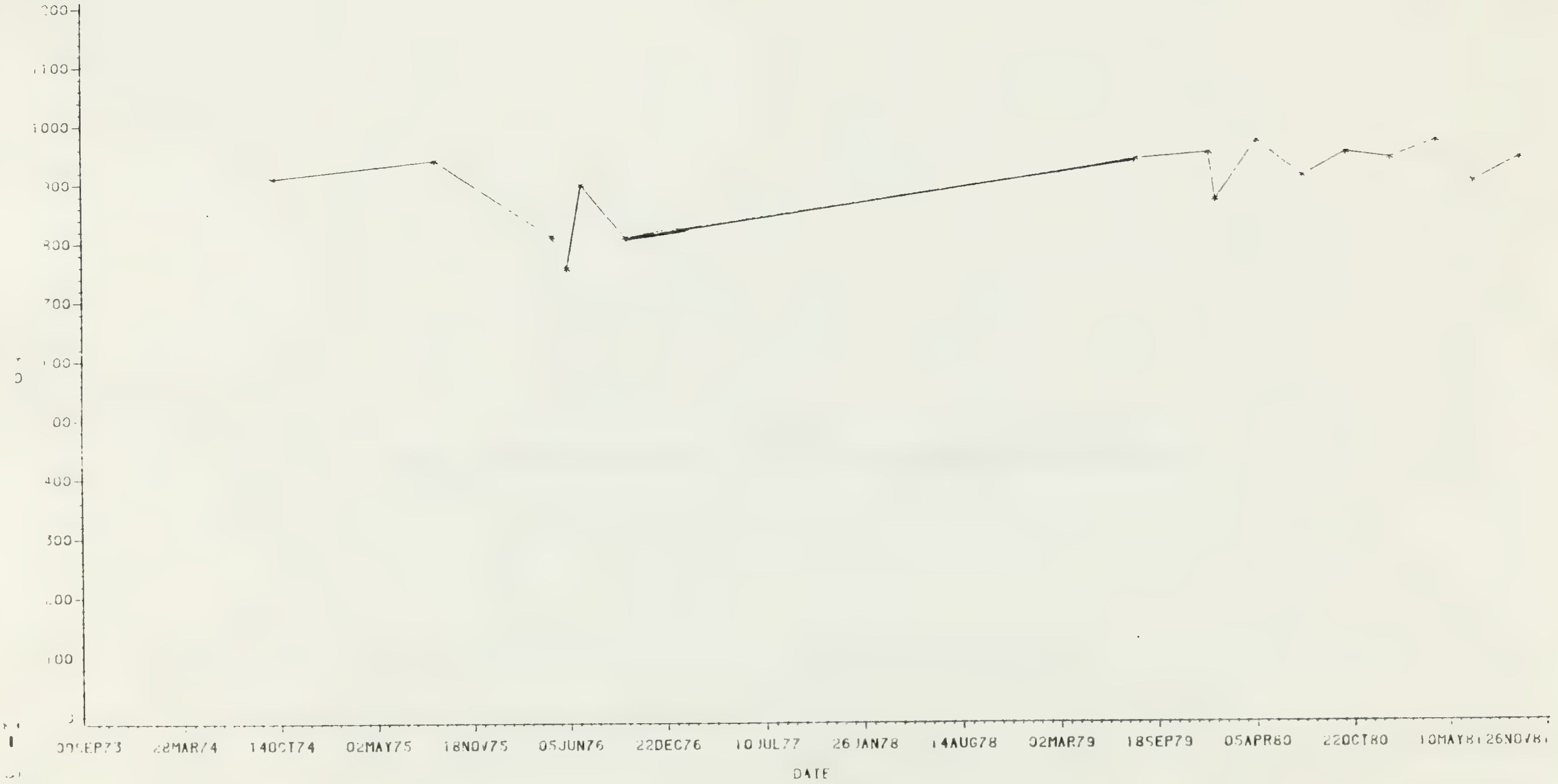
TIME SERIES PLOT OF TDS FOR SPRINGS AND SEEPS

LOC=WS09



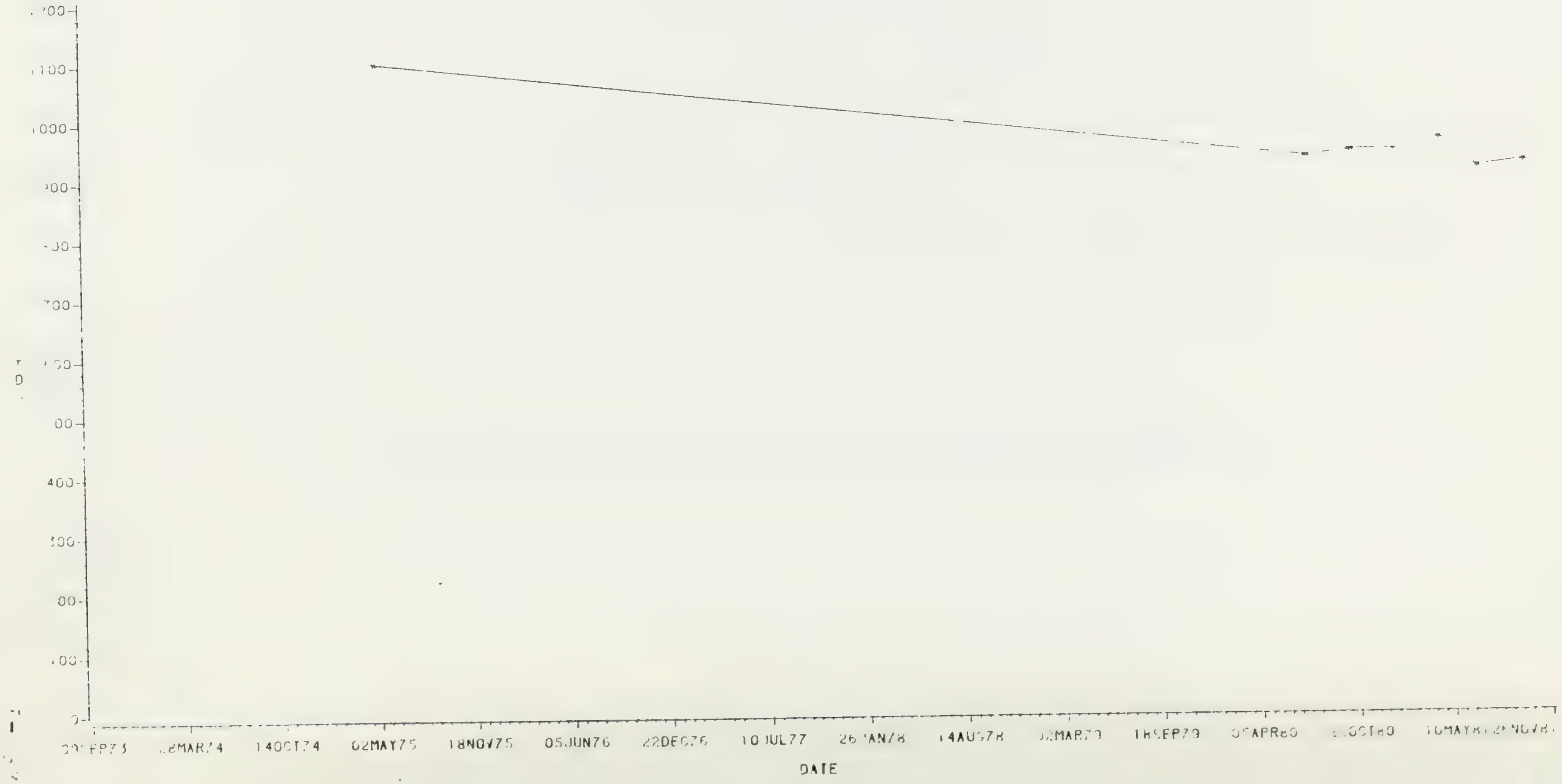
TIME SERIES PLOT OF TDS FOR SPRINGS AND SEEPS

LOC=WS10



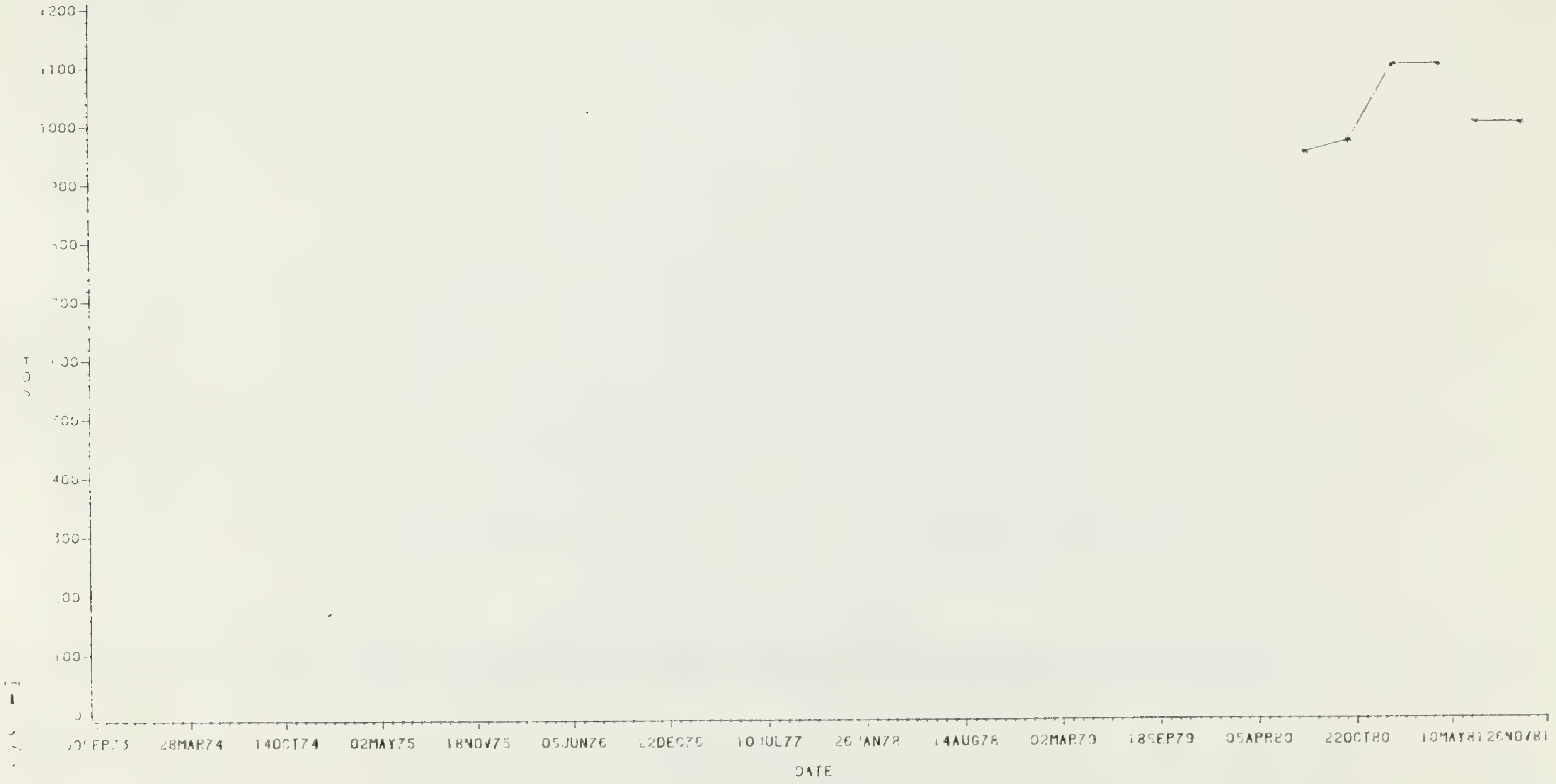
TIME SERIES PLOT OF TDS FOR SPRINGS AND SEEPS

LOC=WS11



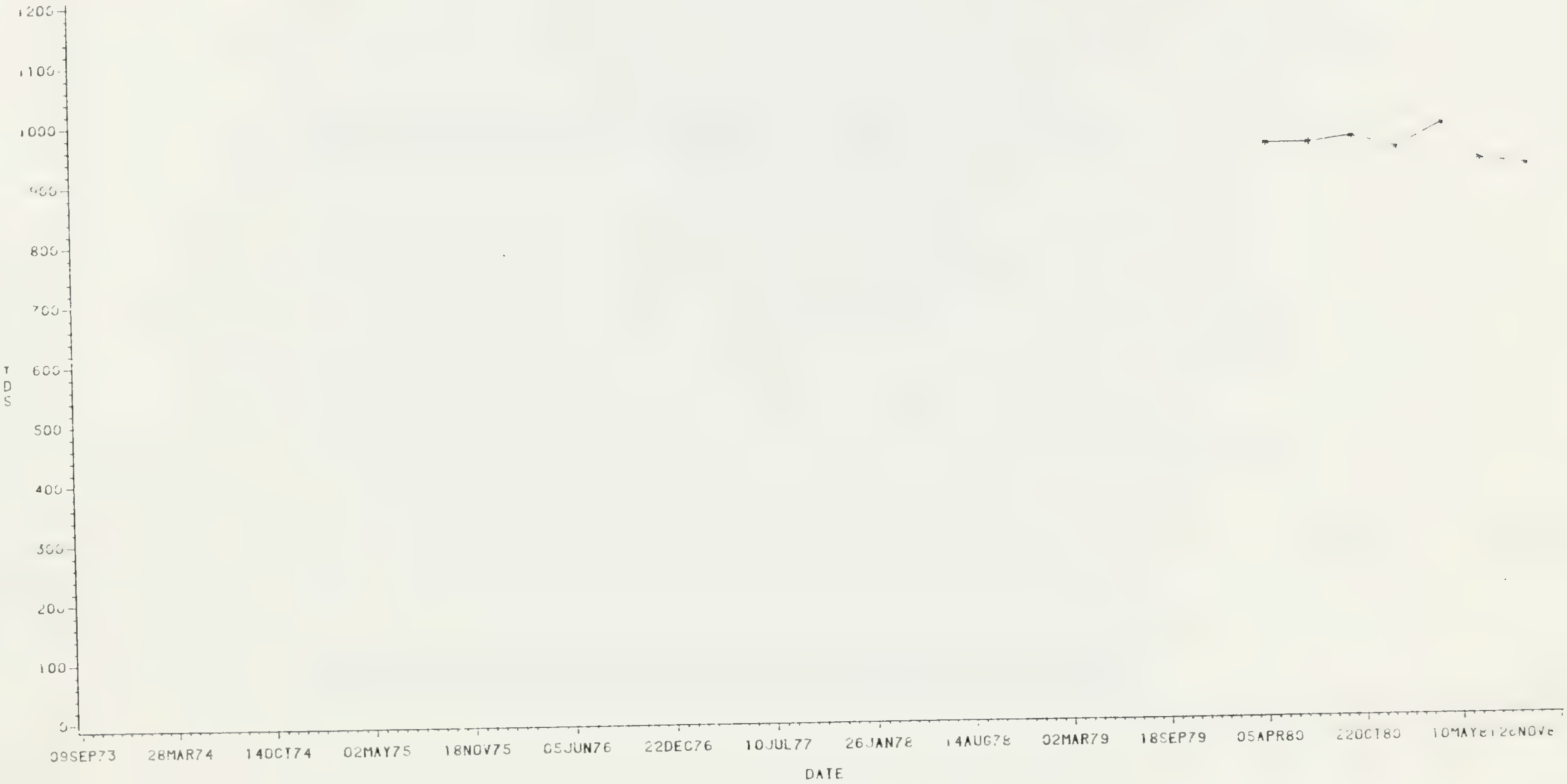
TIME SERIES PLOT OF TDS FOR SPRINGS AND SEEPS

LOC=WS12



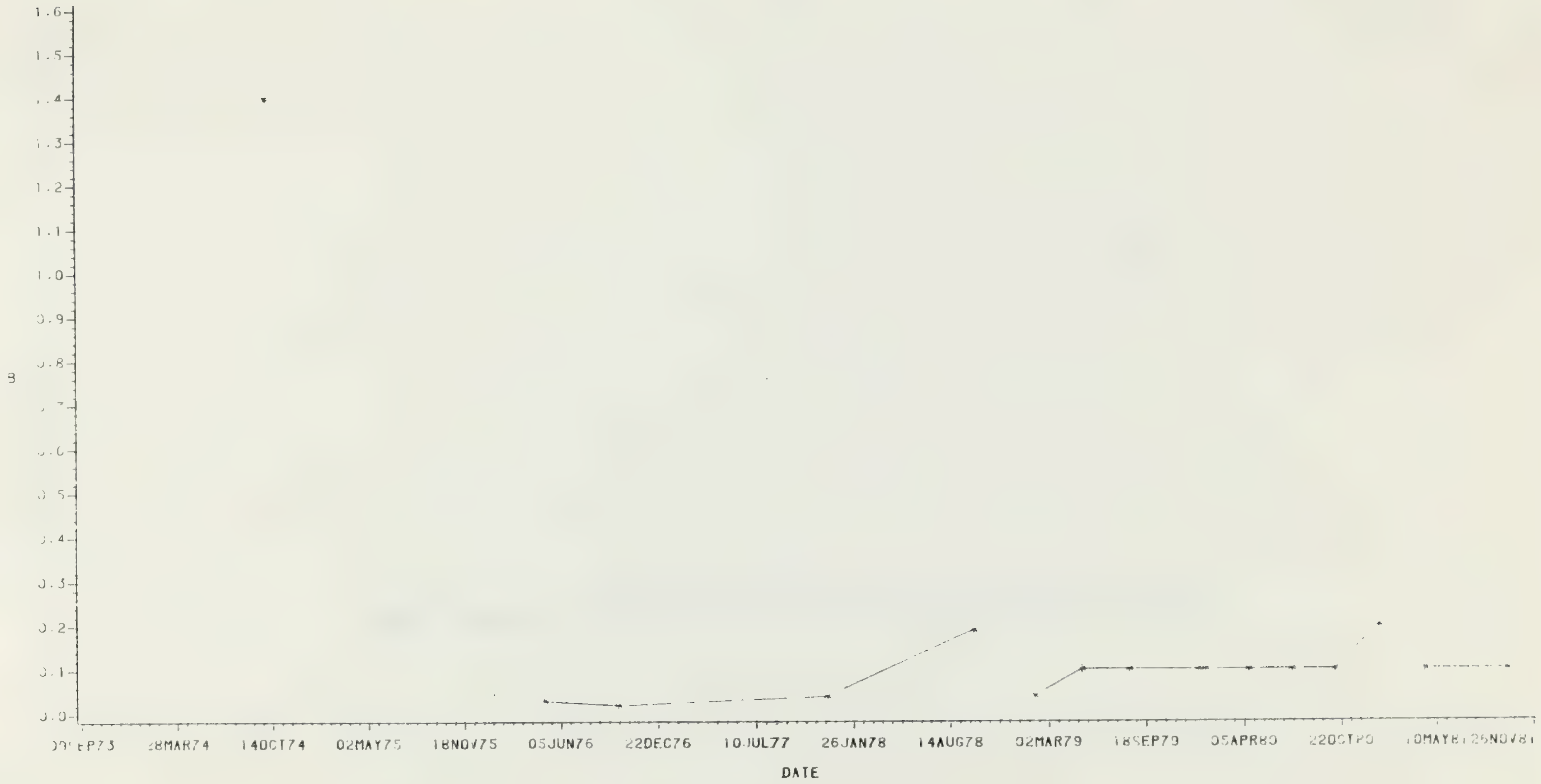
TIME SERIES PLOT OF TDS FOR SPRINGS AND SEEPS

LOC#WS36



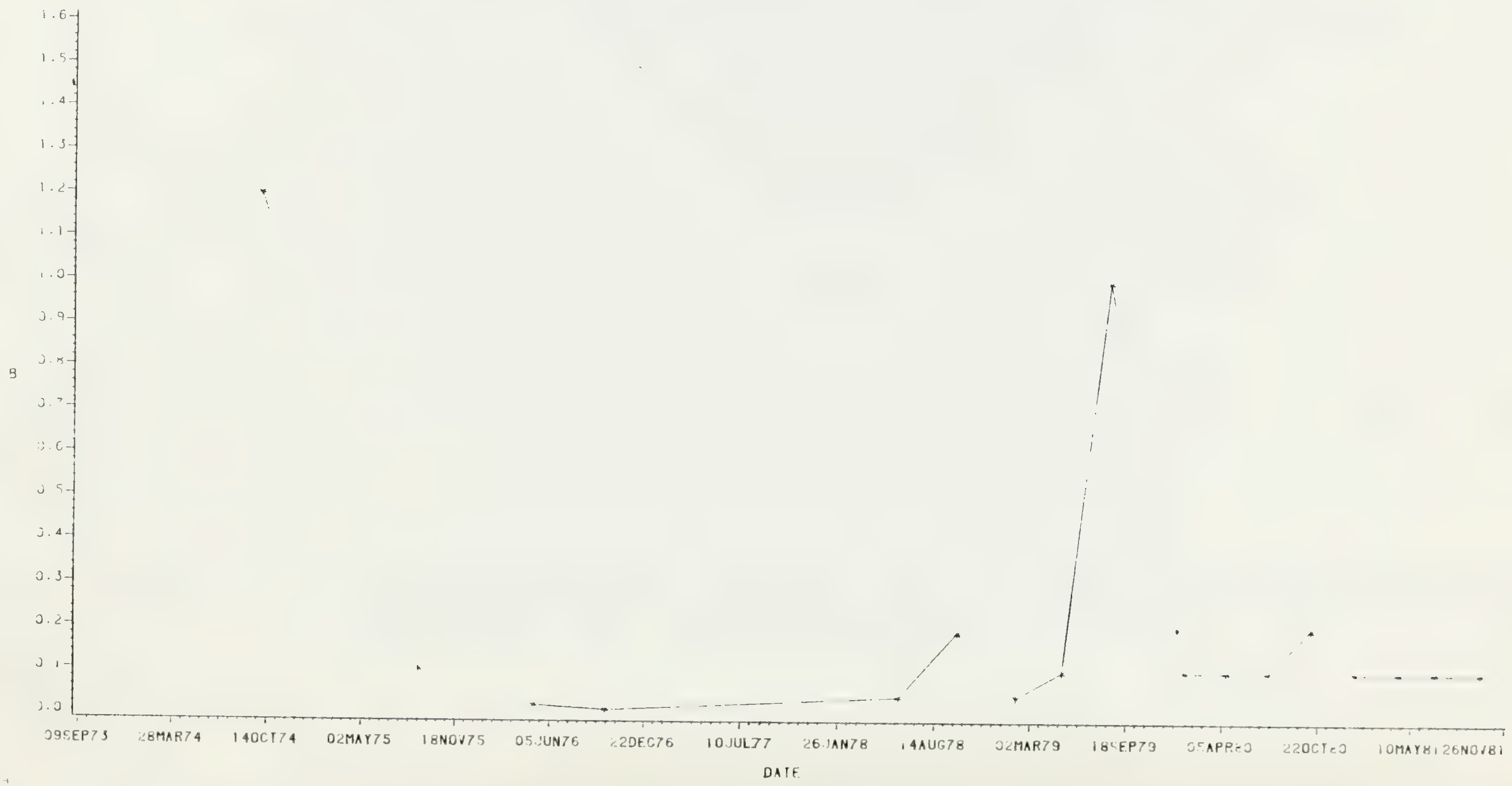
TIME SERIES PLOT OF BORON FOR SPRINGS AND SEEPS

LOC=WS01



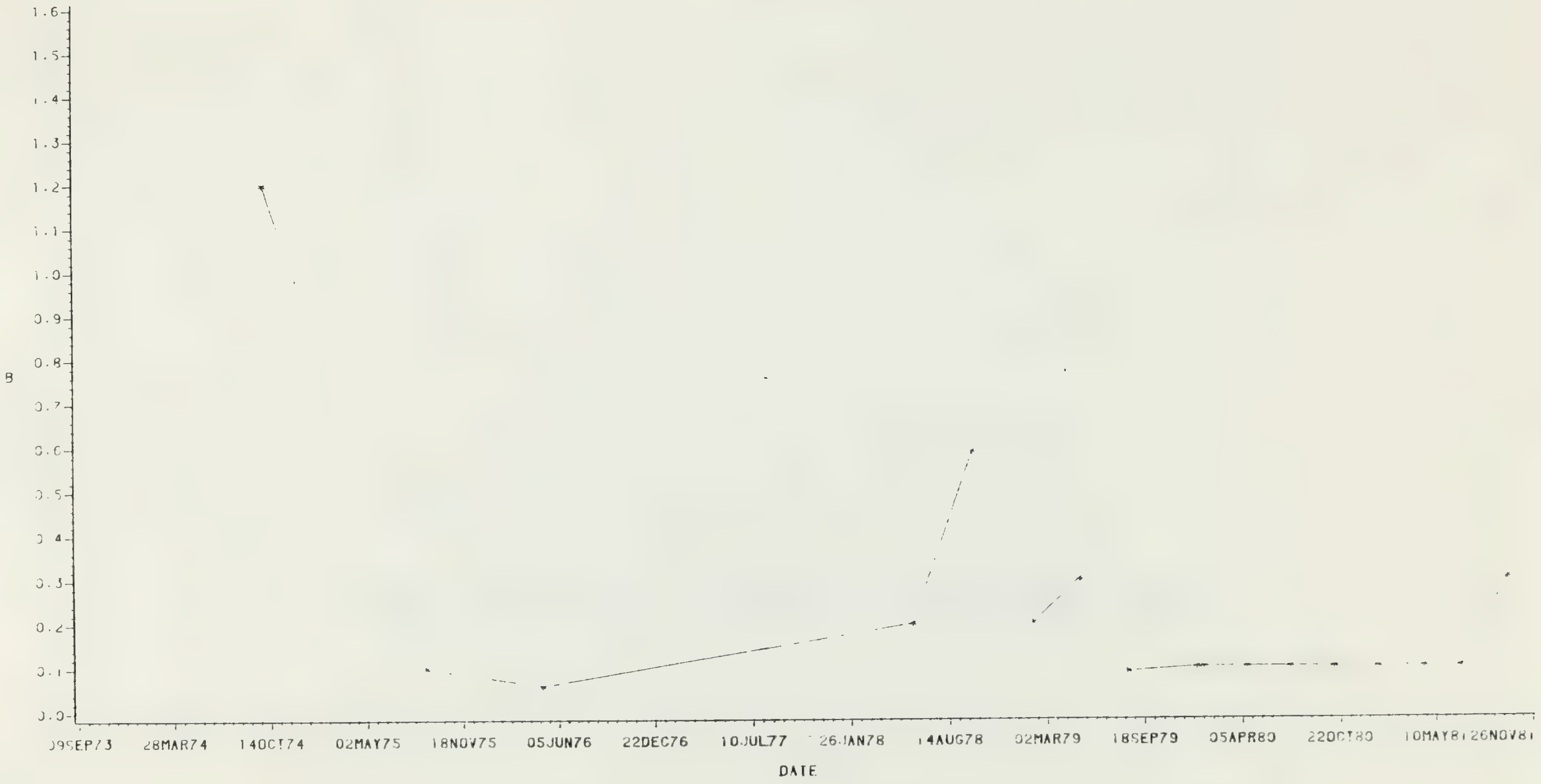
TIME SERIES PLOT OF BORON FOR SPRINGS AND SEEPS

LOC=WS02



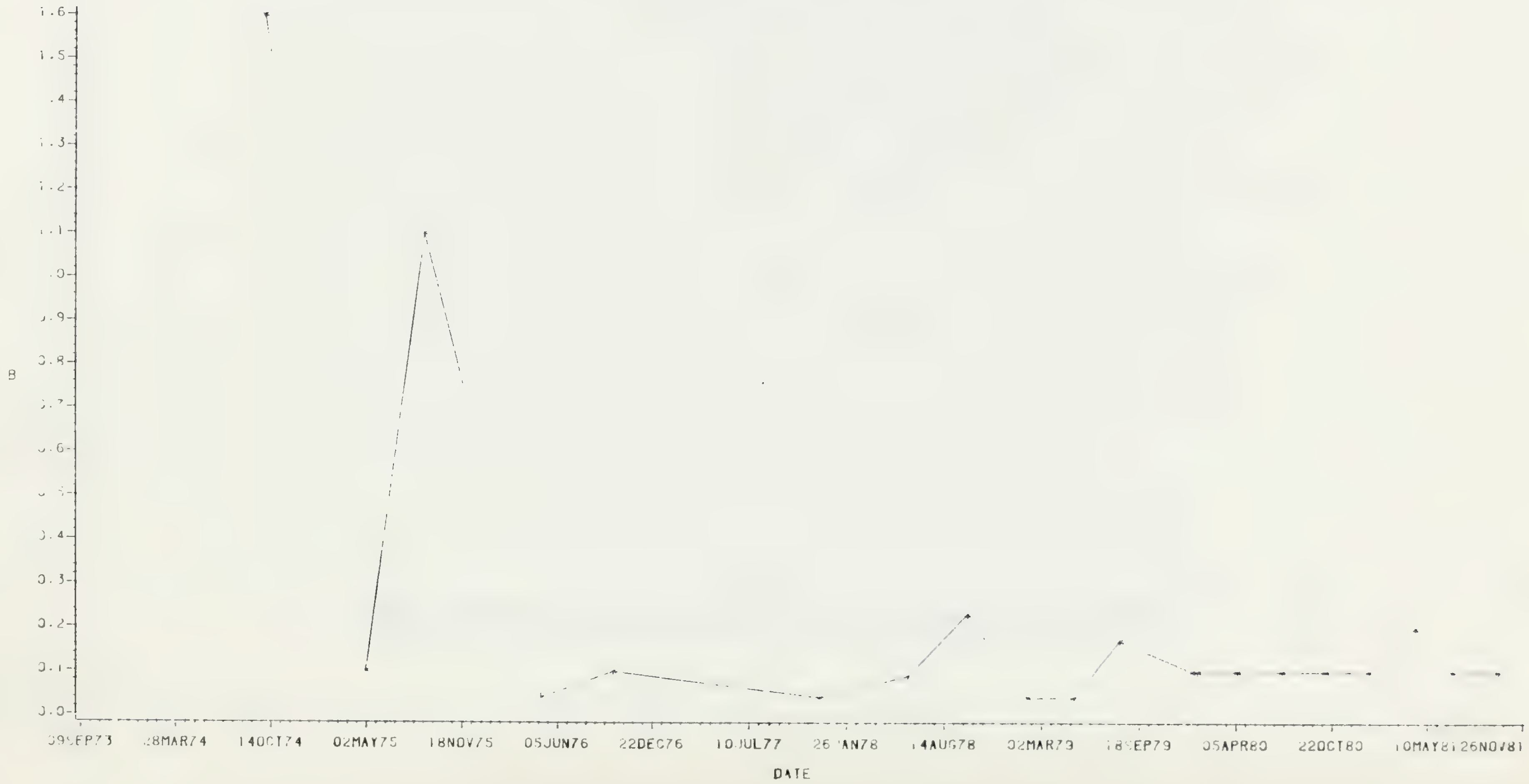
TIME SERIES PLOT OF BORON FOR SPRINGS AND SEEPS

LOC=WS04



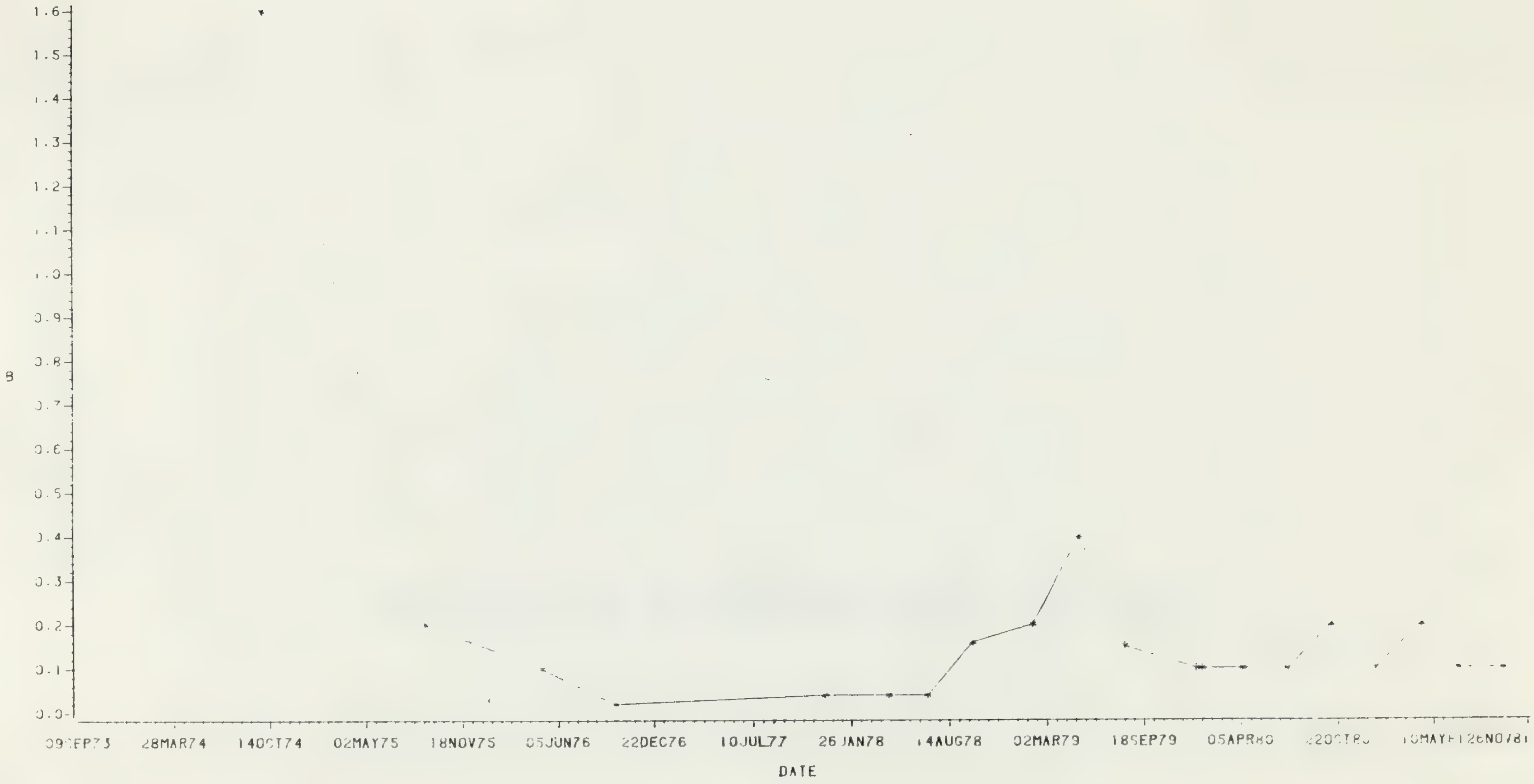
TIME SERIES PLOT OF BORON FOR SPRINGS AND SEEPS

LOC=WS06



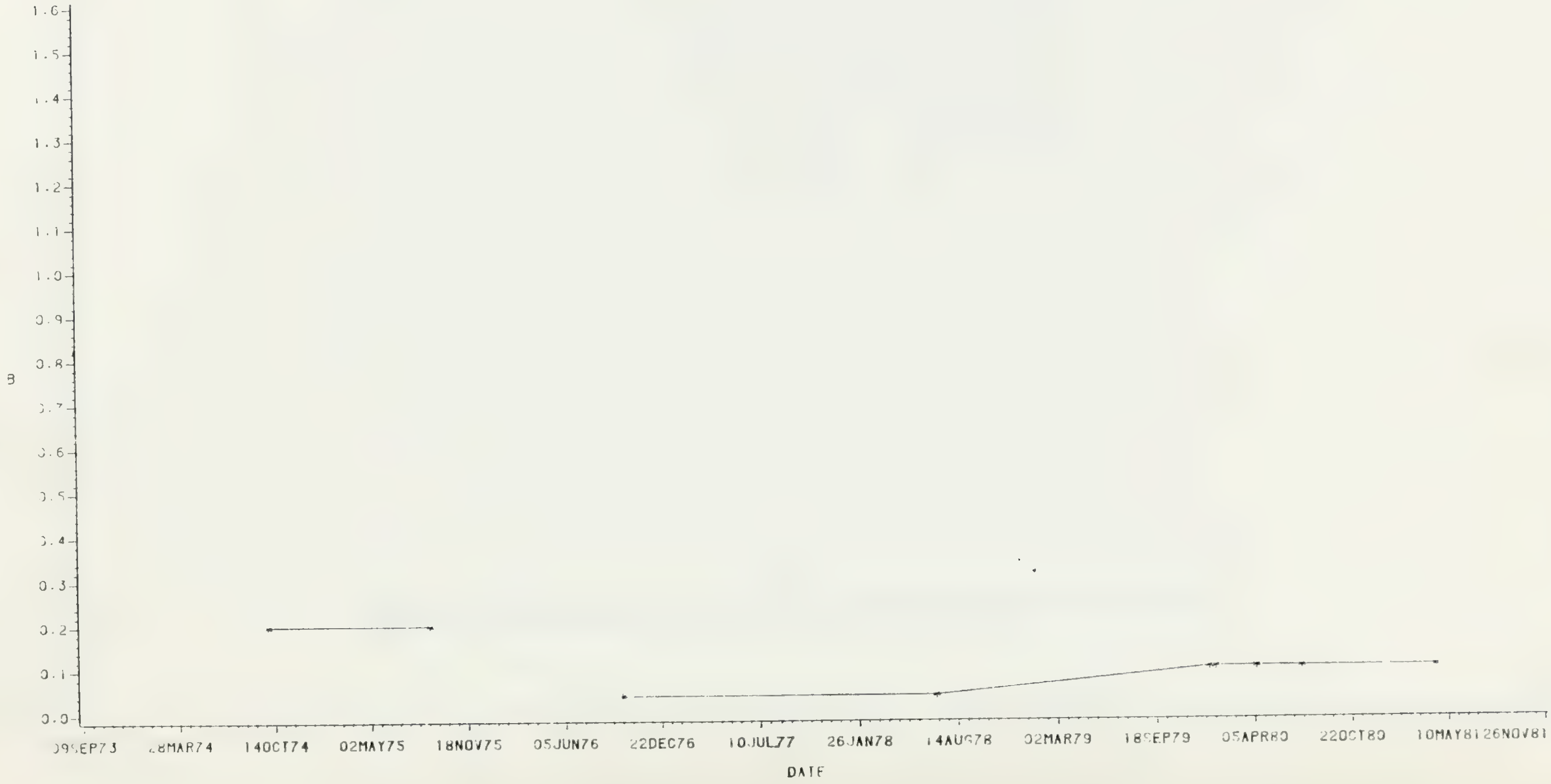
TIME SERIES PLOT OF BORON FOR SPRINGS AND SEEPS

LOC=WS07



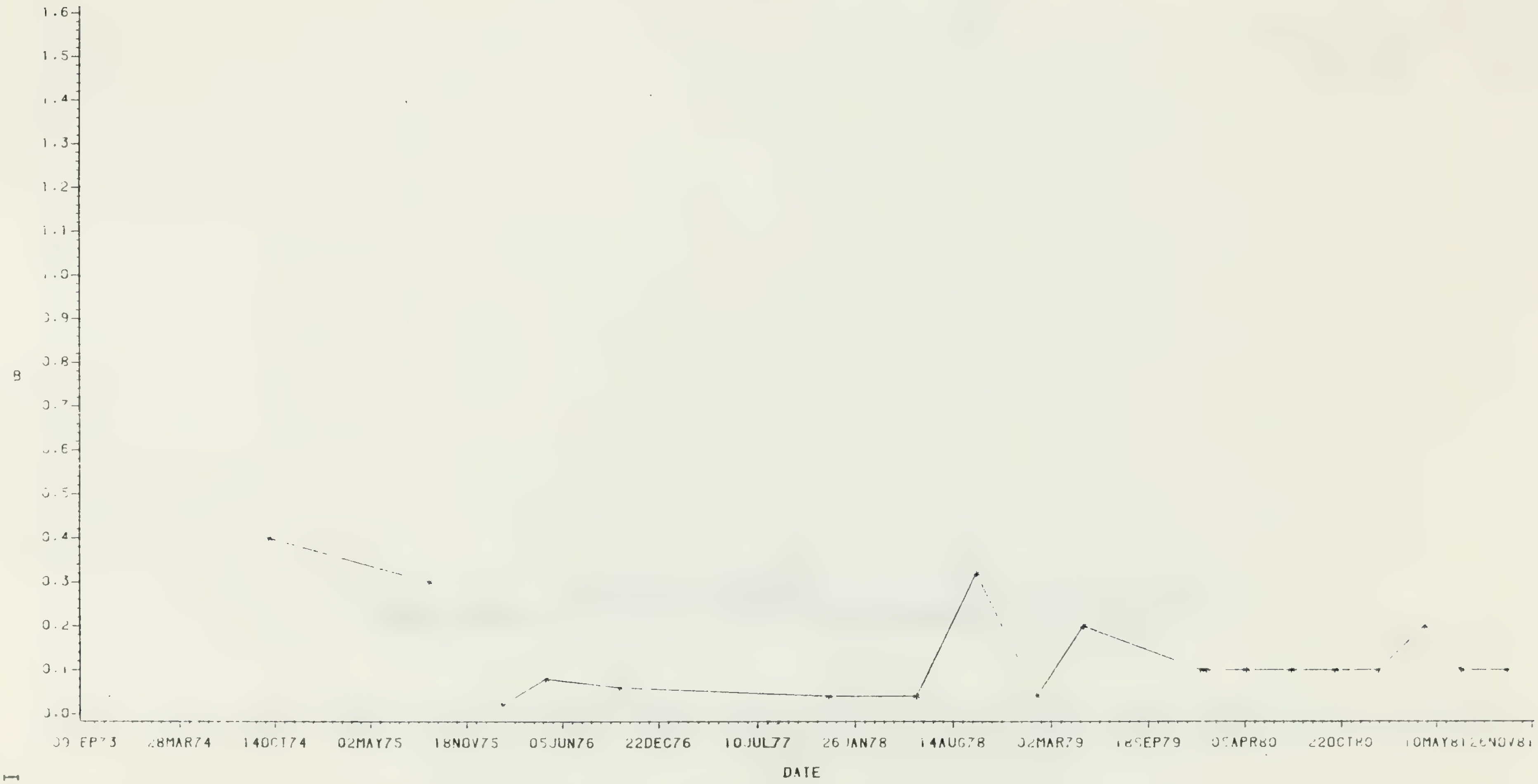
TIME SERIES PLOT OF BORON FOR SPRINGS AND SEEPS

LOC=WS08



TIME SERIES PLOT OF BORON FOR SPRINGS AND SEEPS

LOC=WS09



TIME SERIES PLOT OF BORON FOR SPRINGS AND SEEPS

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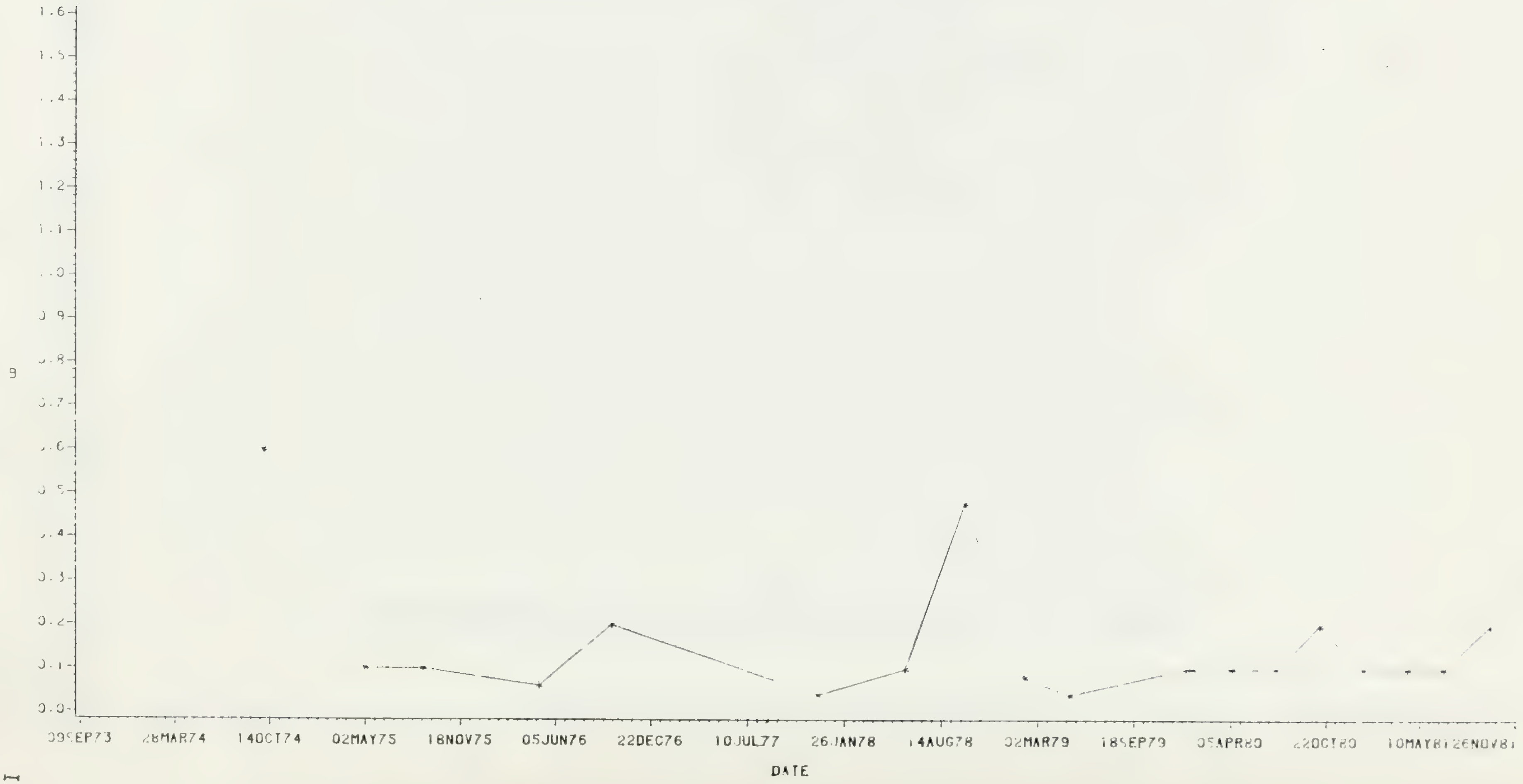
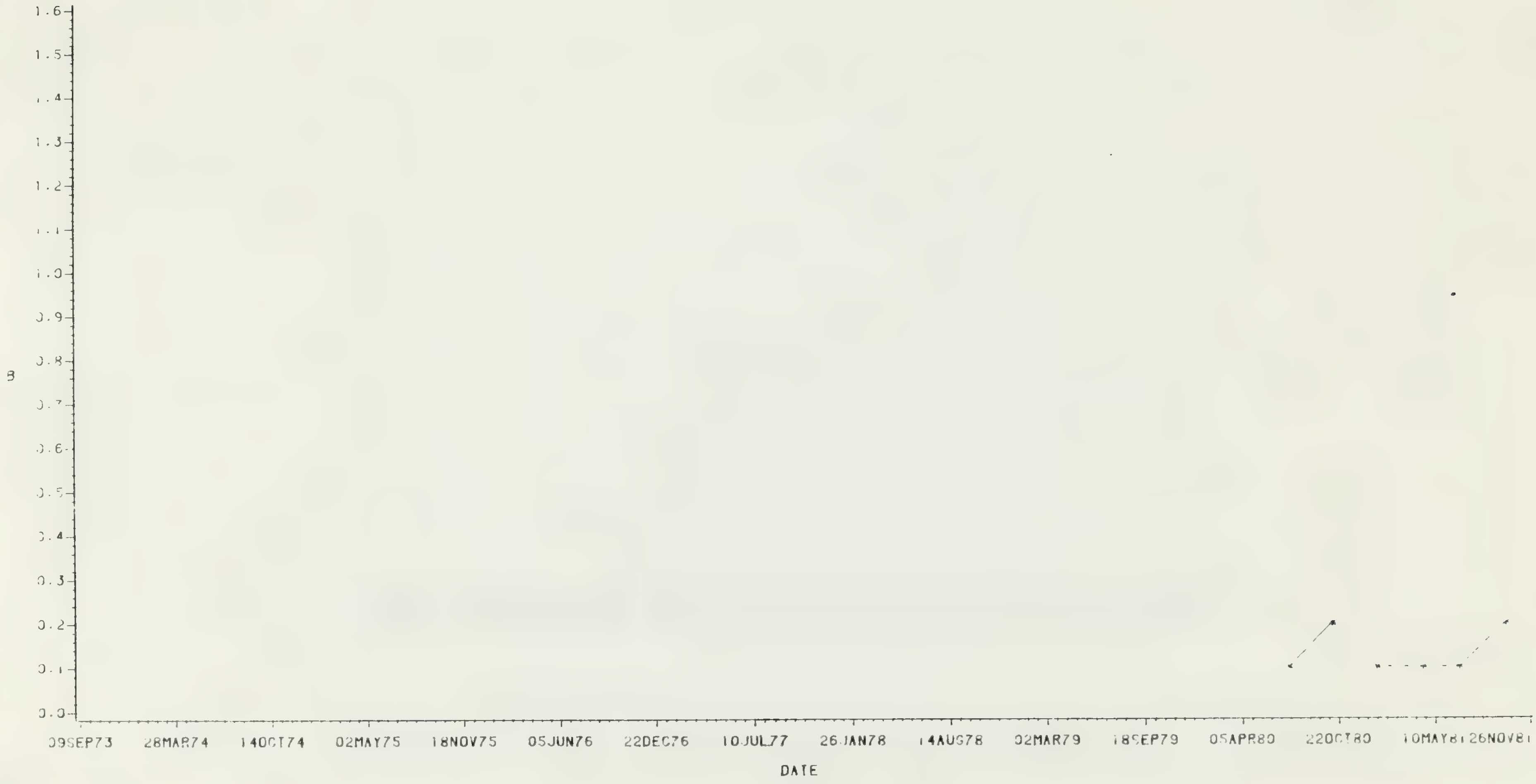


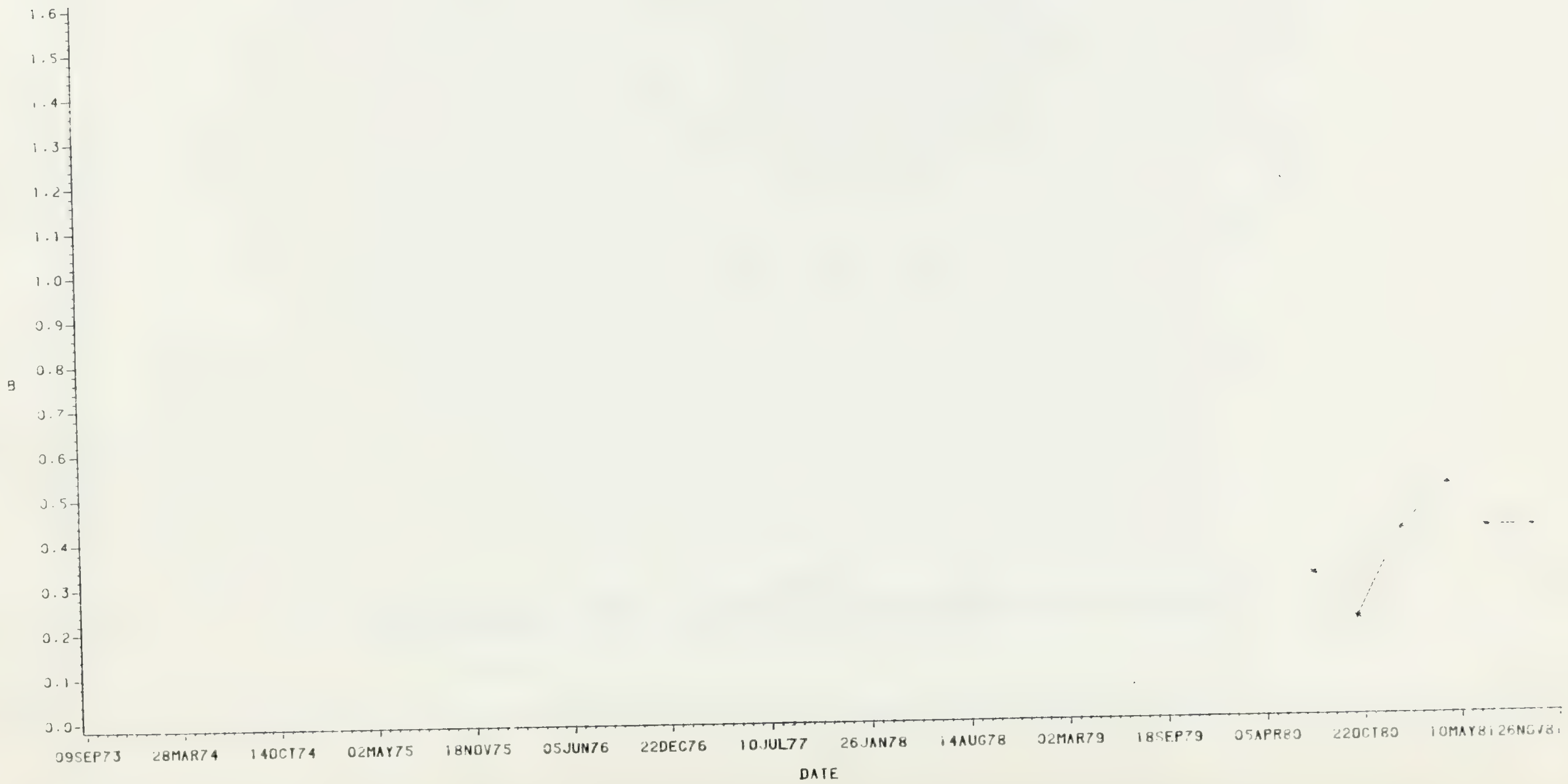
TIME SERIES PLOT OF BORON FOR SPRINGS AND SEEPS

LOC=WS11



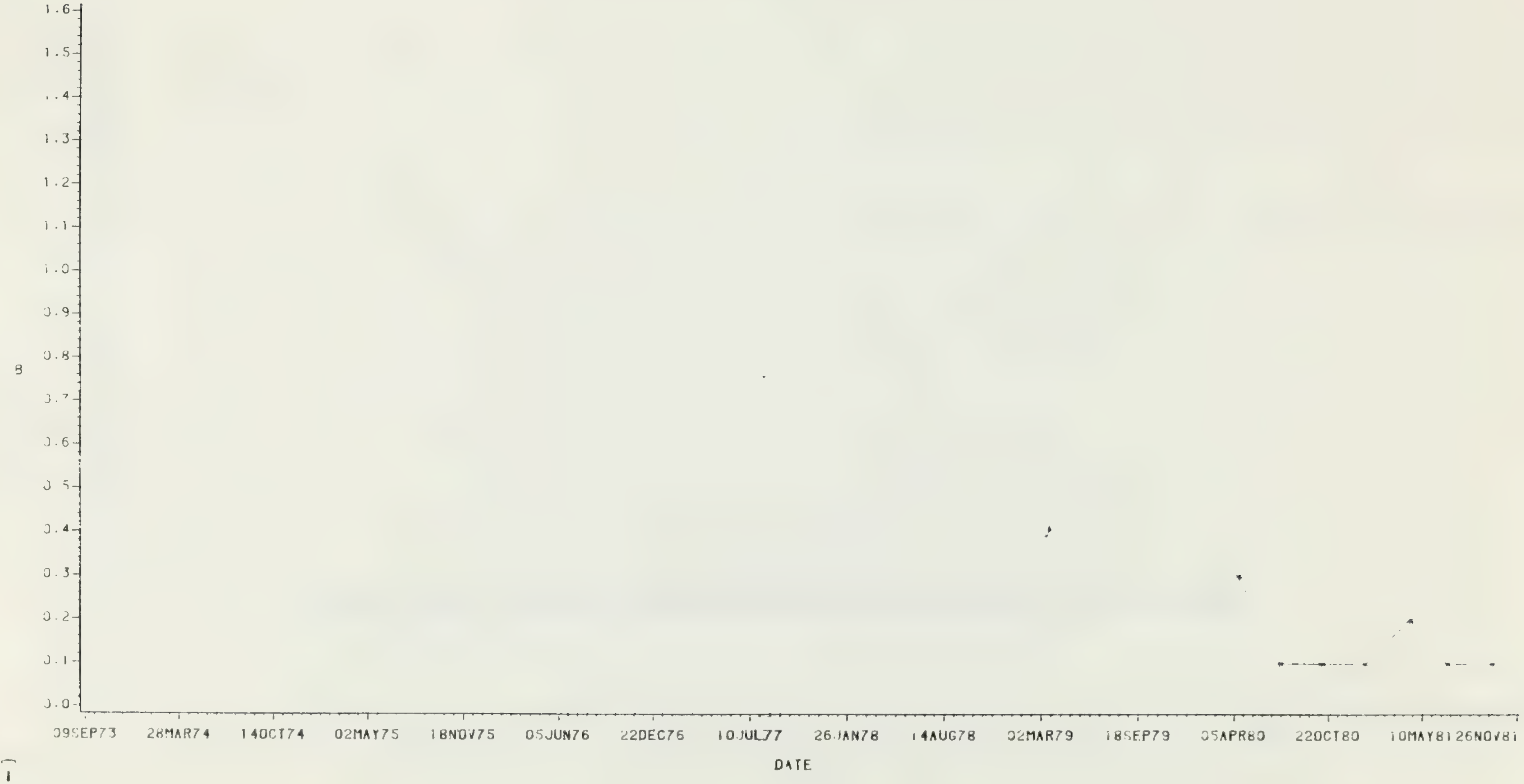
TIME SERIES PLOT OF BORON FOR SPRINGS AND SEEPS

LOC=WS12



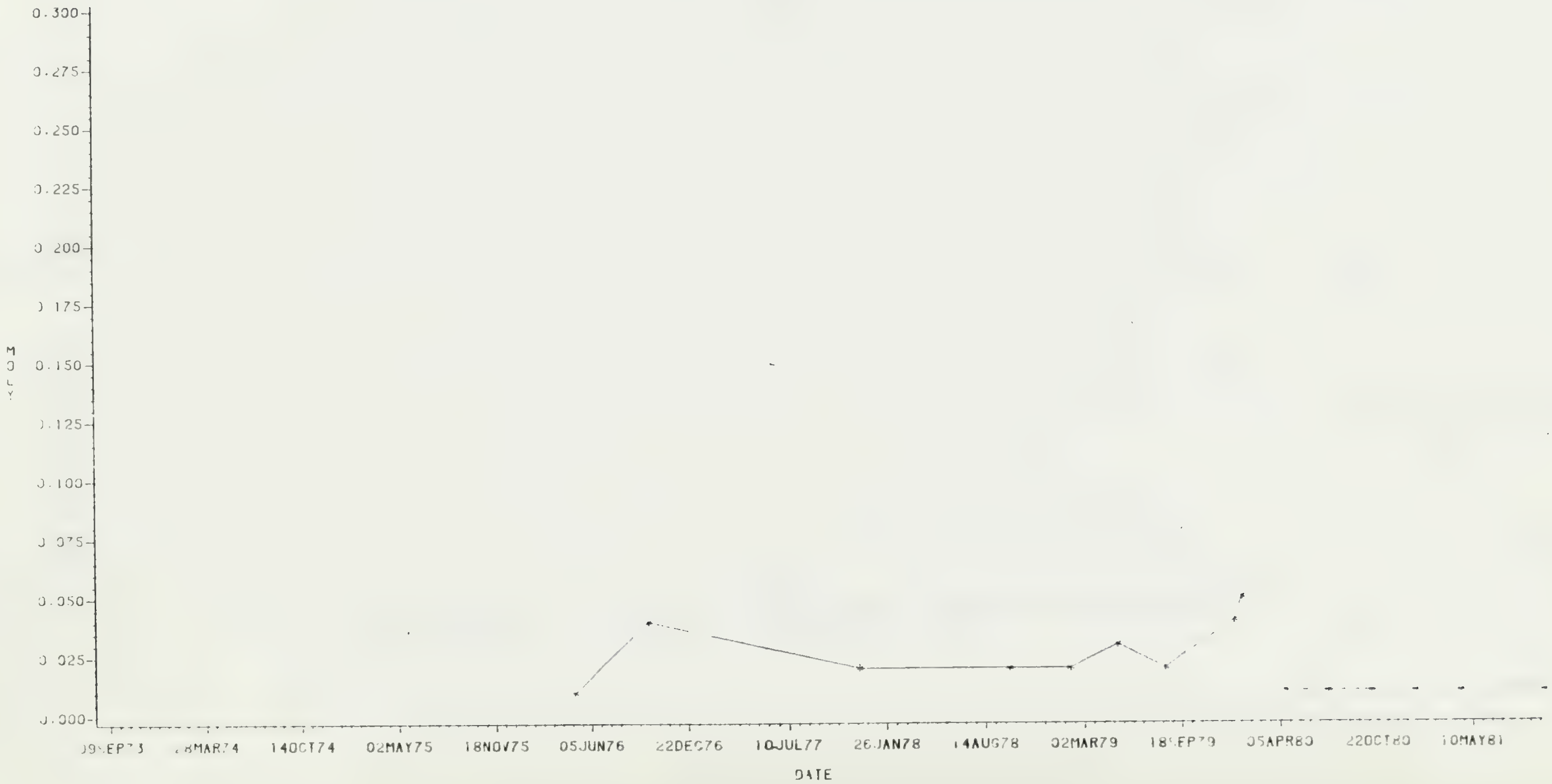
TIME SERIES PLOT OF BORON FOR SPRINGS AND SEEPS

LOC=WS36



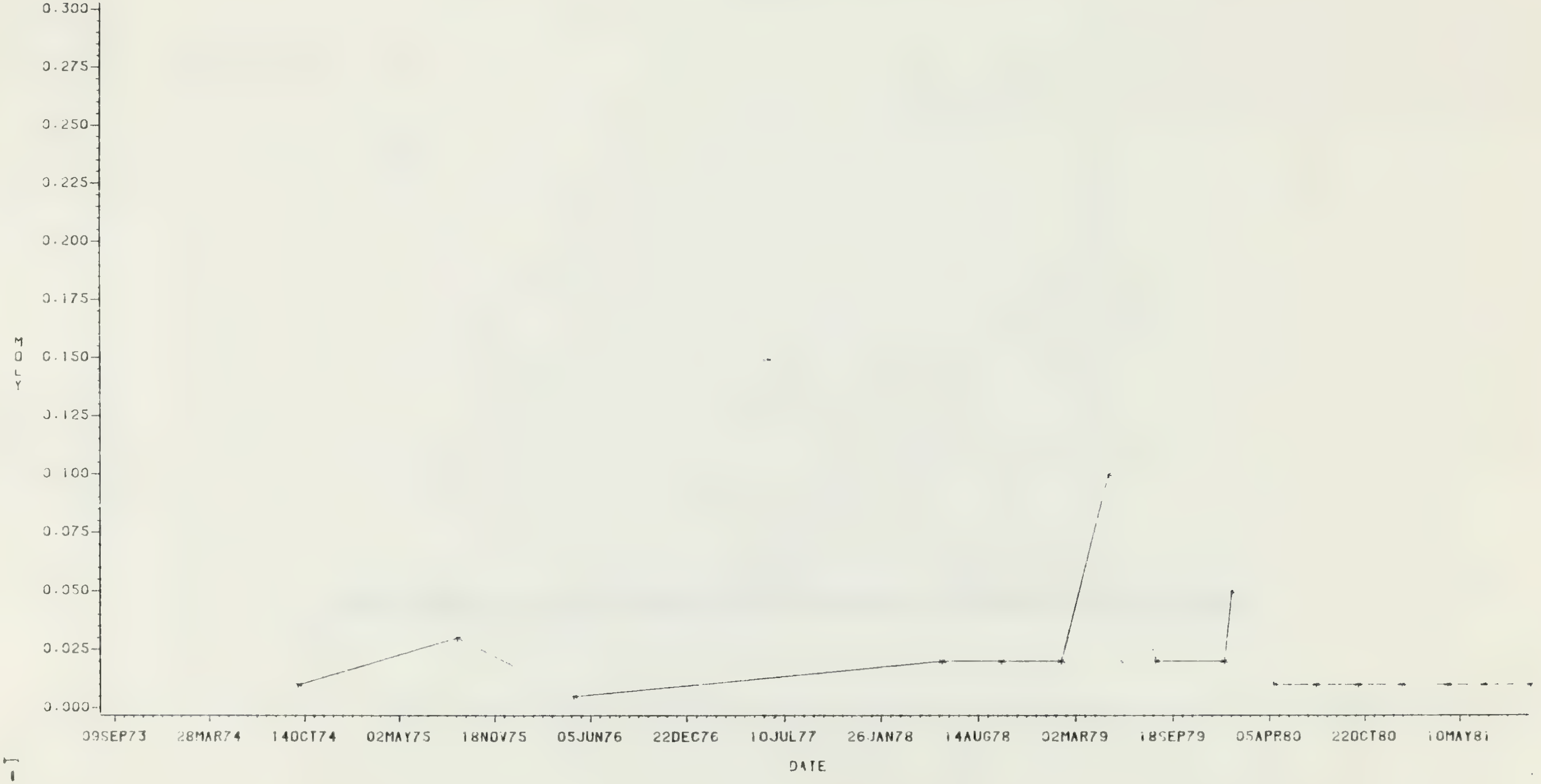
TIME SERIES PLOT OF MOLYBDENUM FOR SPRINGS AND SEEPS

LOC=WS01



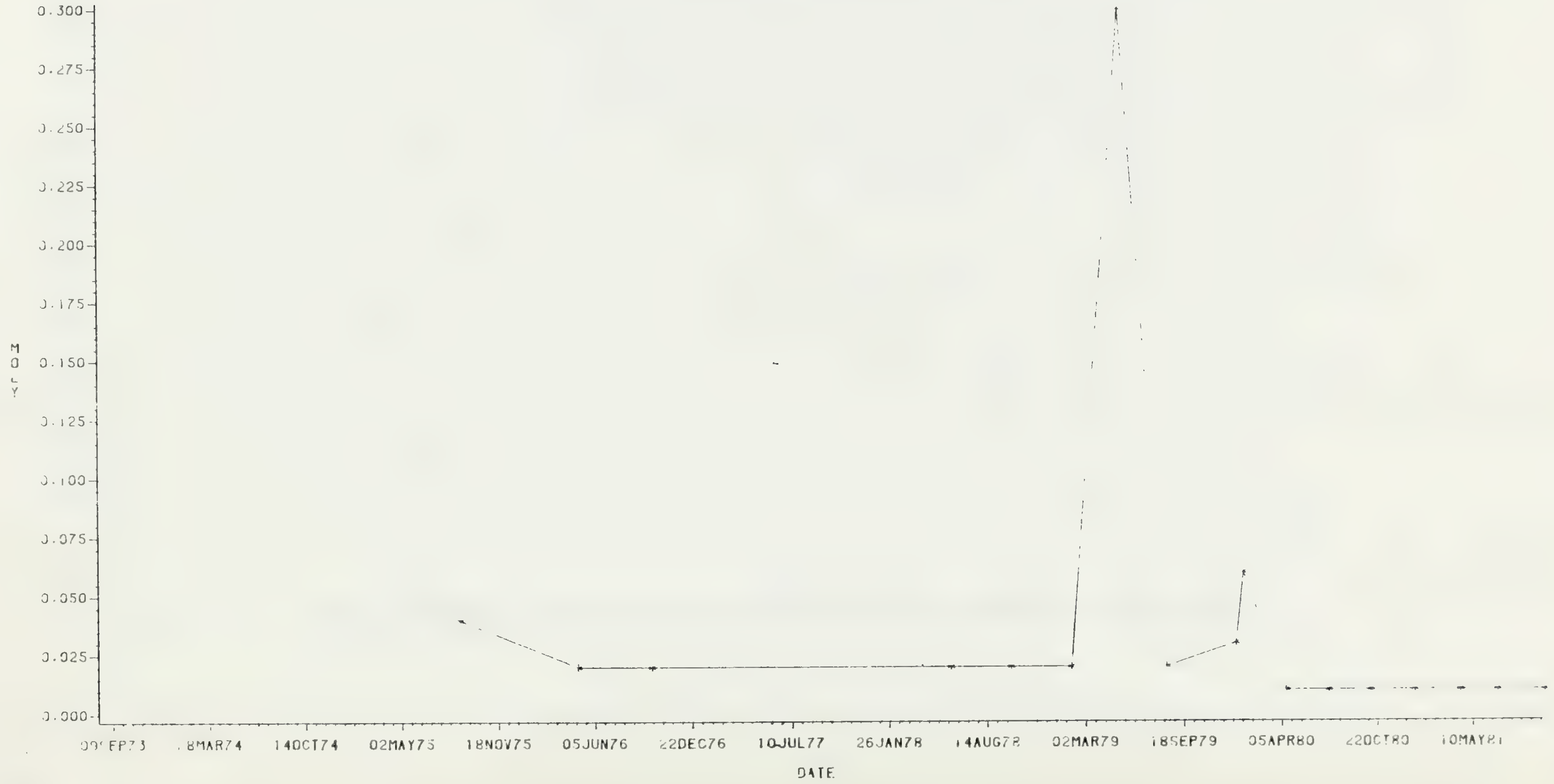
TIME SERIES PLOT OF MOLYBDENUM FOR SPRINGS AND SEEPS

LOC=WS04



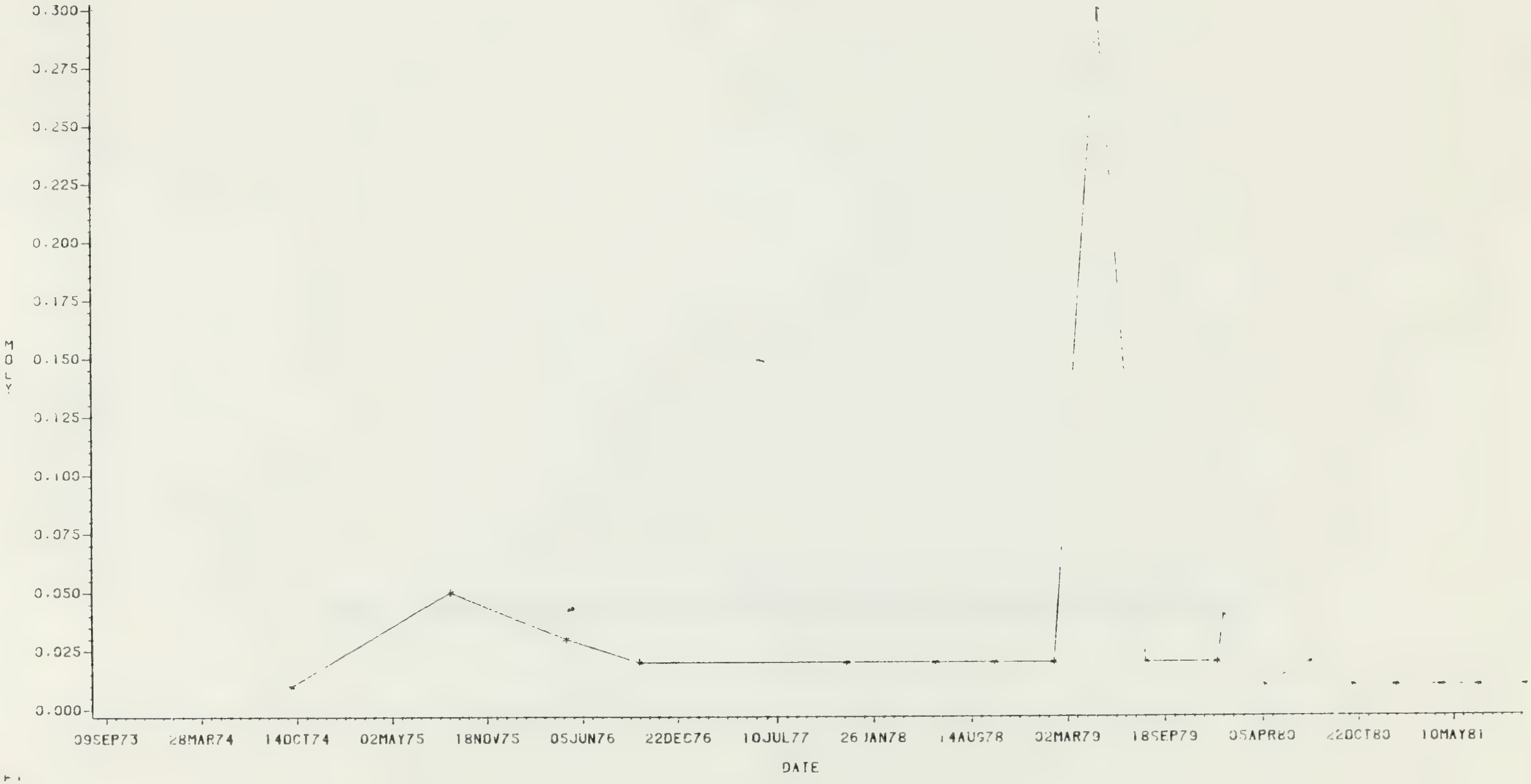
TIME SERIES PLOT OF MOLYBDENUM FOR SPRINGS AND SEEPS

LOC=WS02



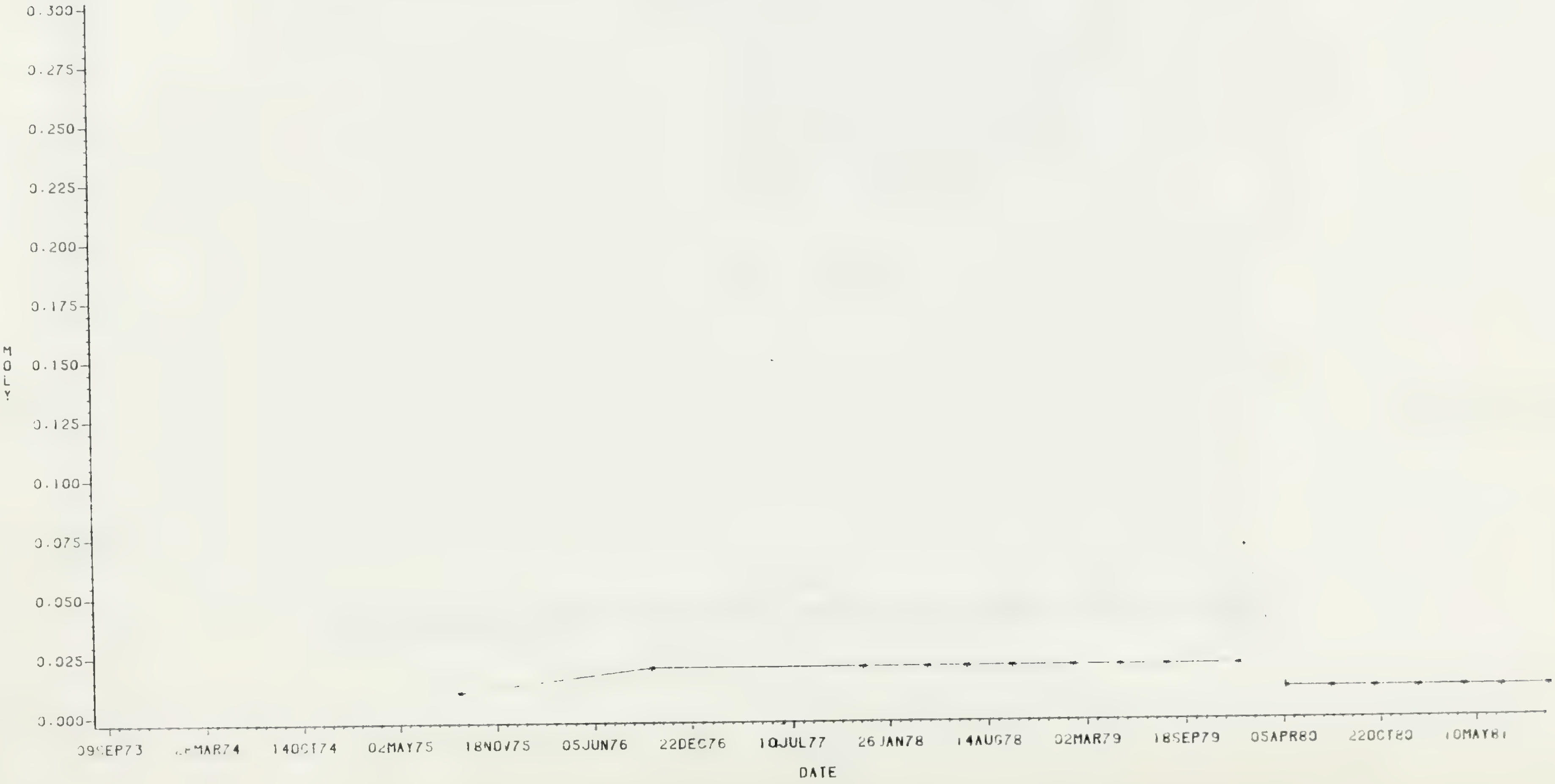
TIME SERIES PLOT OF MOLYBDENUM FOR SPRINGS AND SEEPS

LOC=WS06



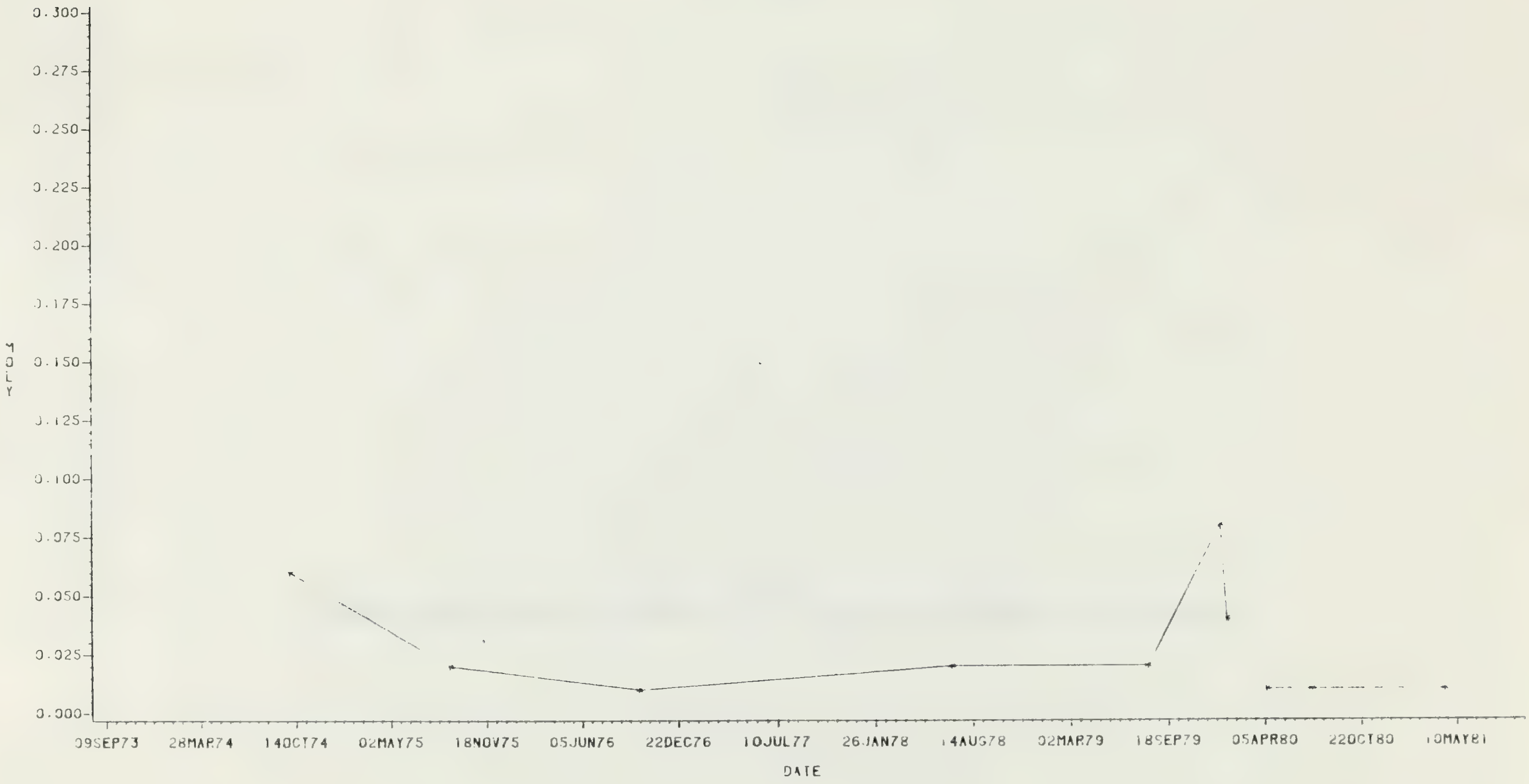
TIME SERIES PLOT OF MOLYBDENUM FOR SPRINGS AND SEEPS

LOC=WS07



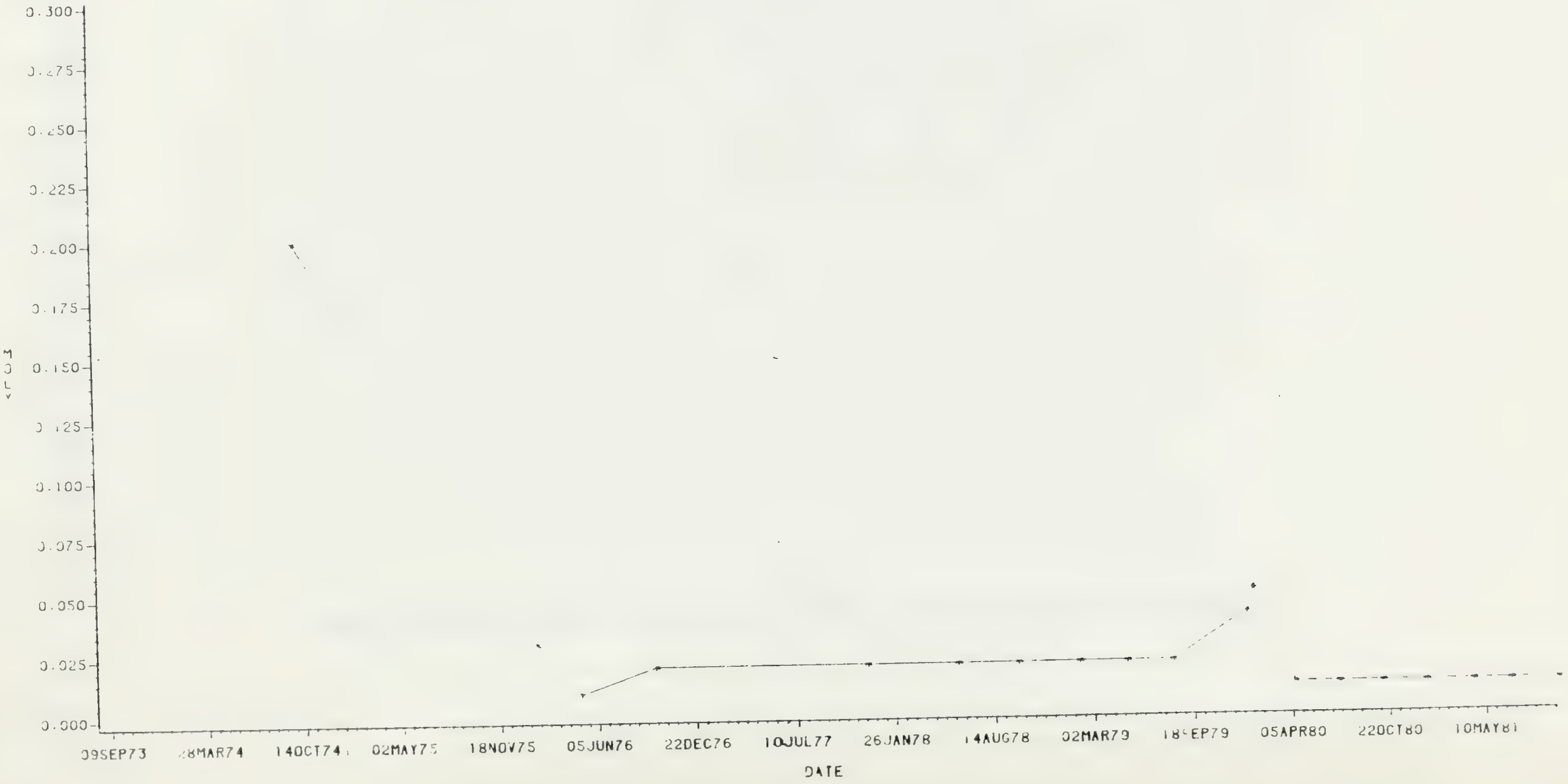
TIME SERIES PLOT OF MOLYBDENUM FOR SPRINGS AND SEEPS

LOC=WS08



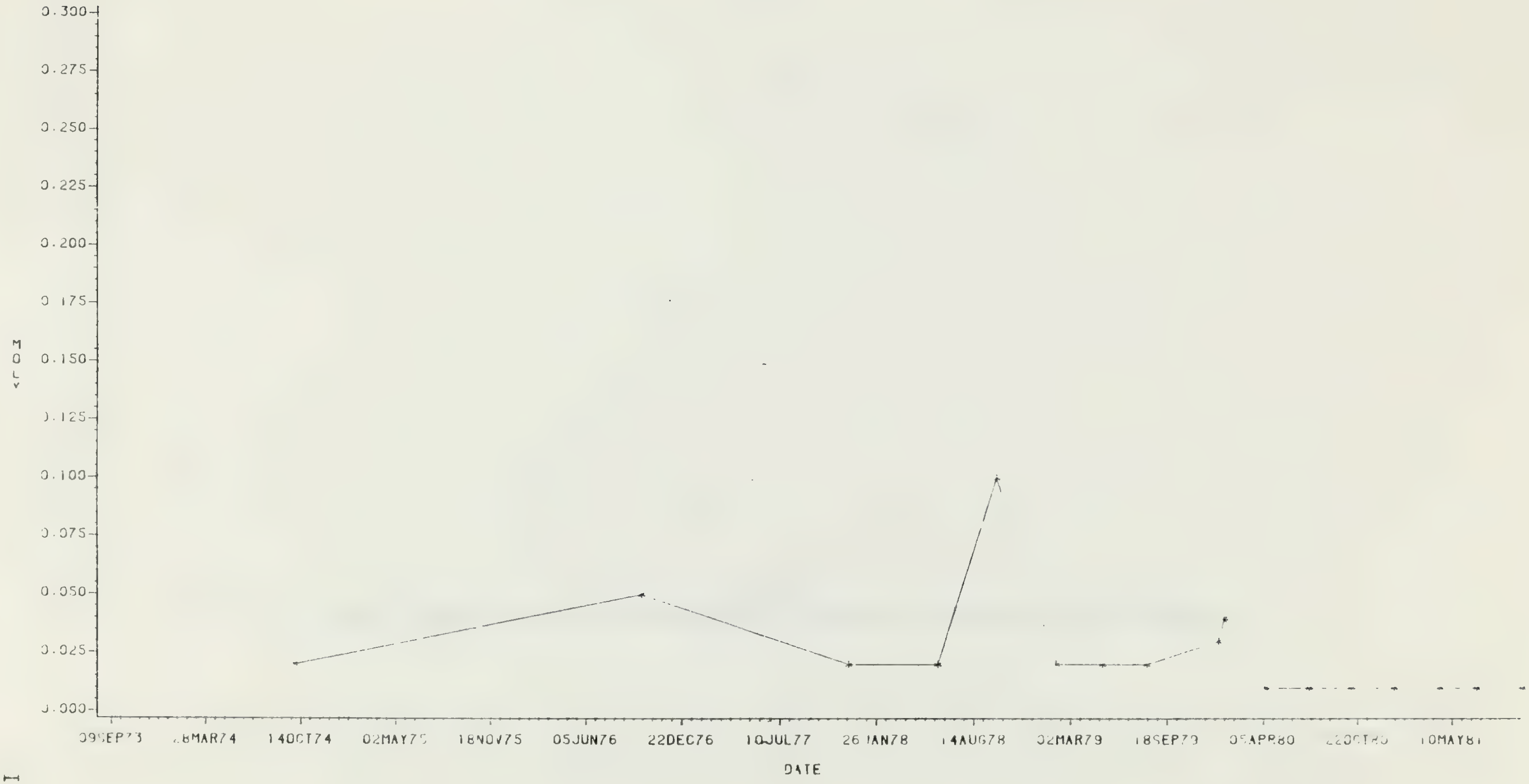
TIME SERIES PLOT OF MOLYBDENUM FOR SPRINGS AND SEEPS

LOC=WS09



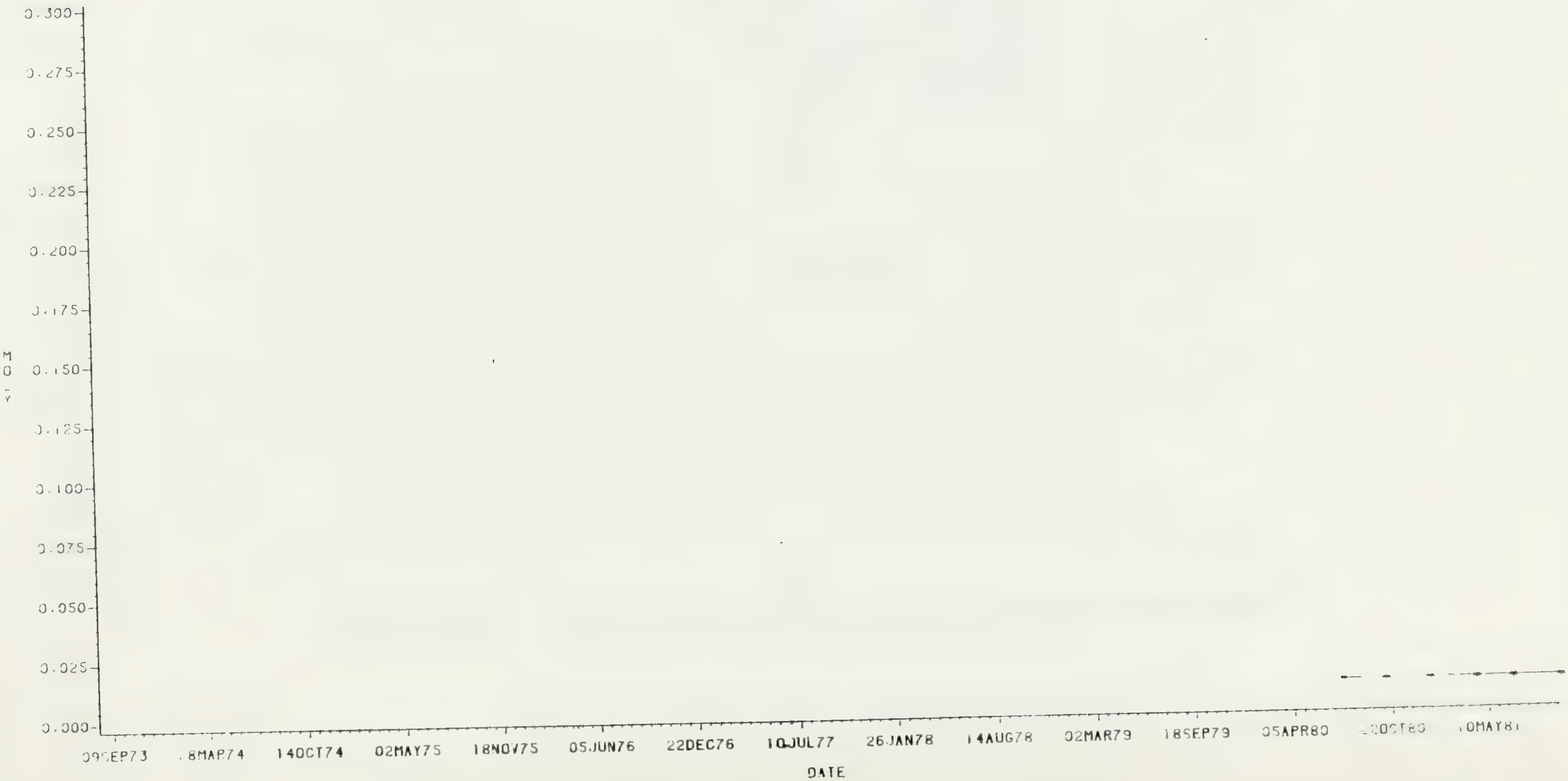
TIME SERIES PLOT OF MOLYBDENUM FOR SPRINGS AND SEEPS

LOC=WS10



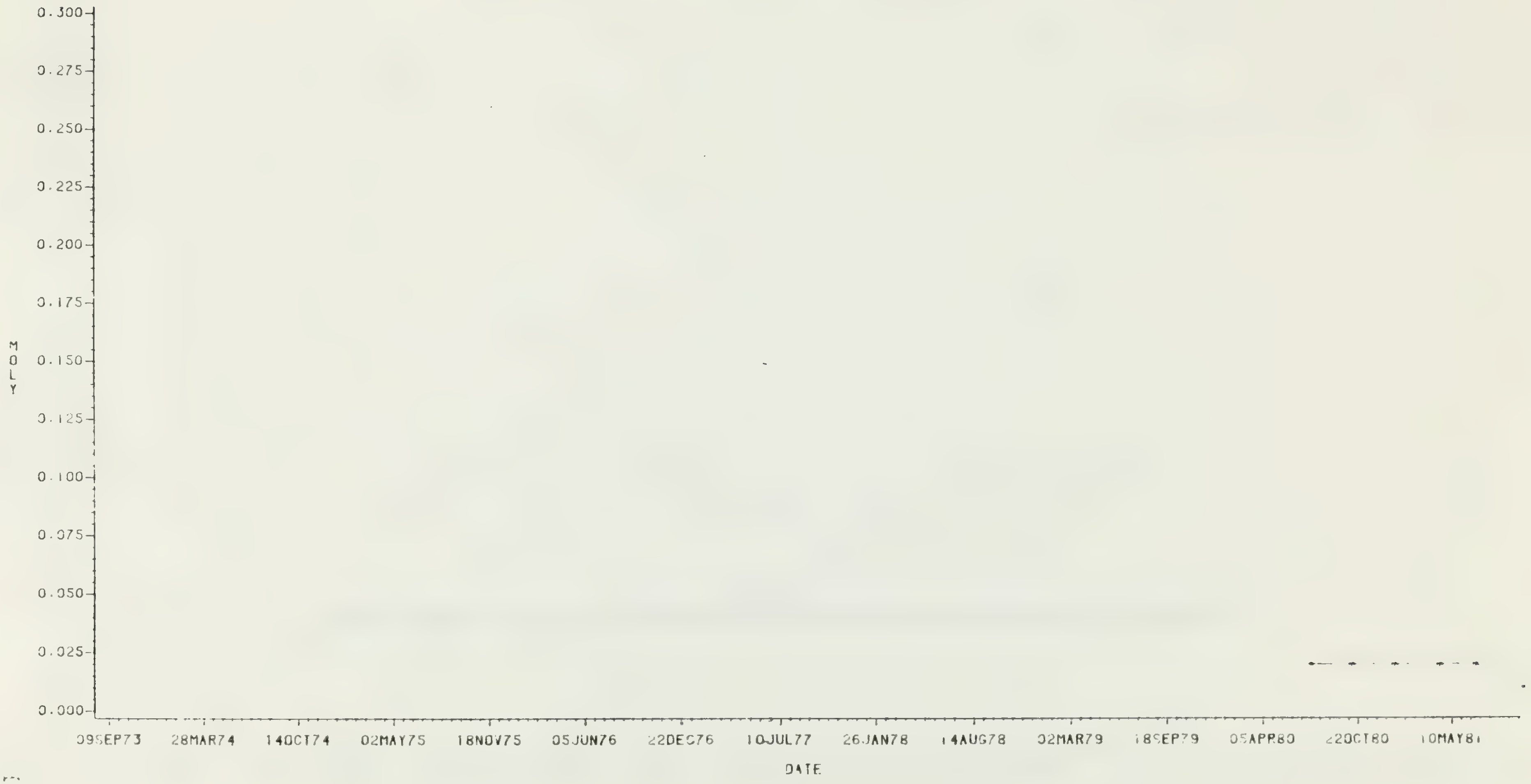
TIME SERIES PLOT OF MOLYBDENUM FOR SPRINGS AND SEEPS

LOC=WS11



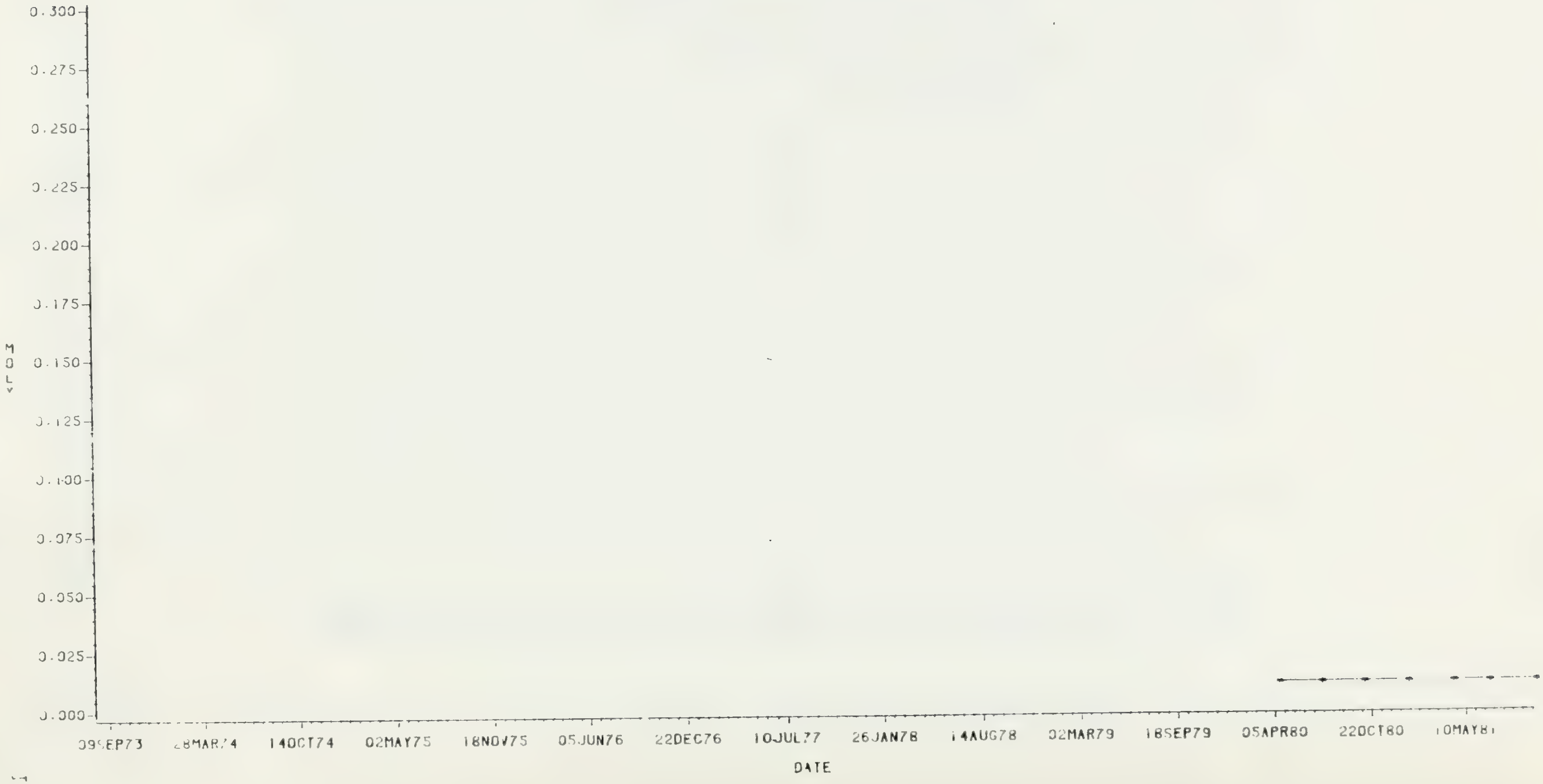
TIME SERIES PLOT OF MOLYBDENUM FOR SPRINGS AND SEEPS

LOC=WS12



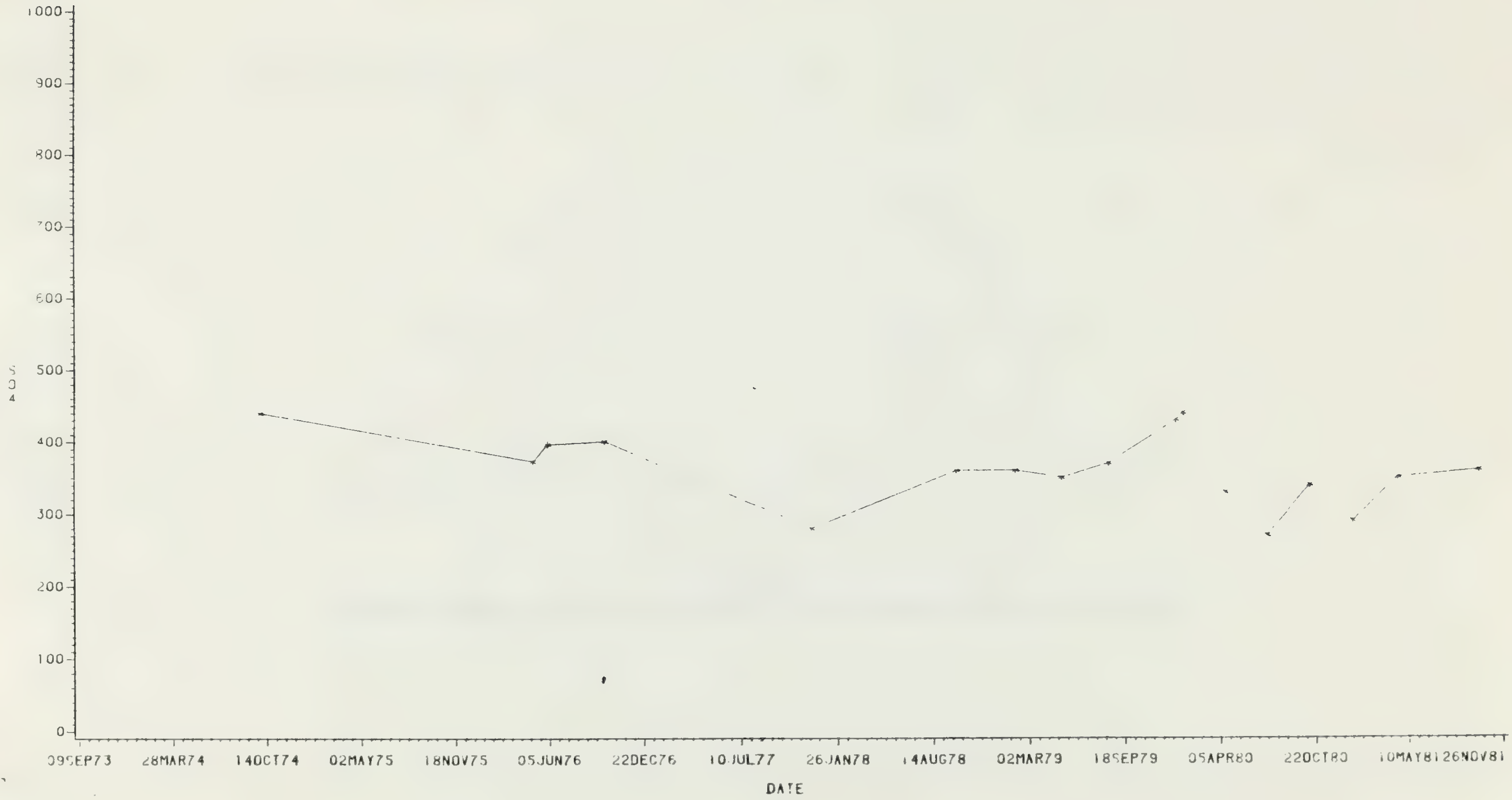
TIME SERIES PLOT OF MOLYBDENUM FOR SPRINGS AND SEEPS

LOC=WS36



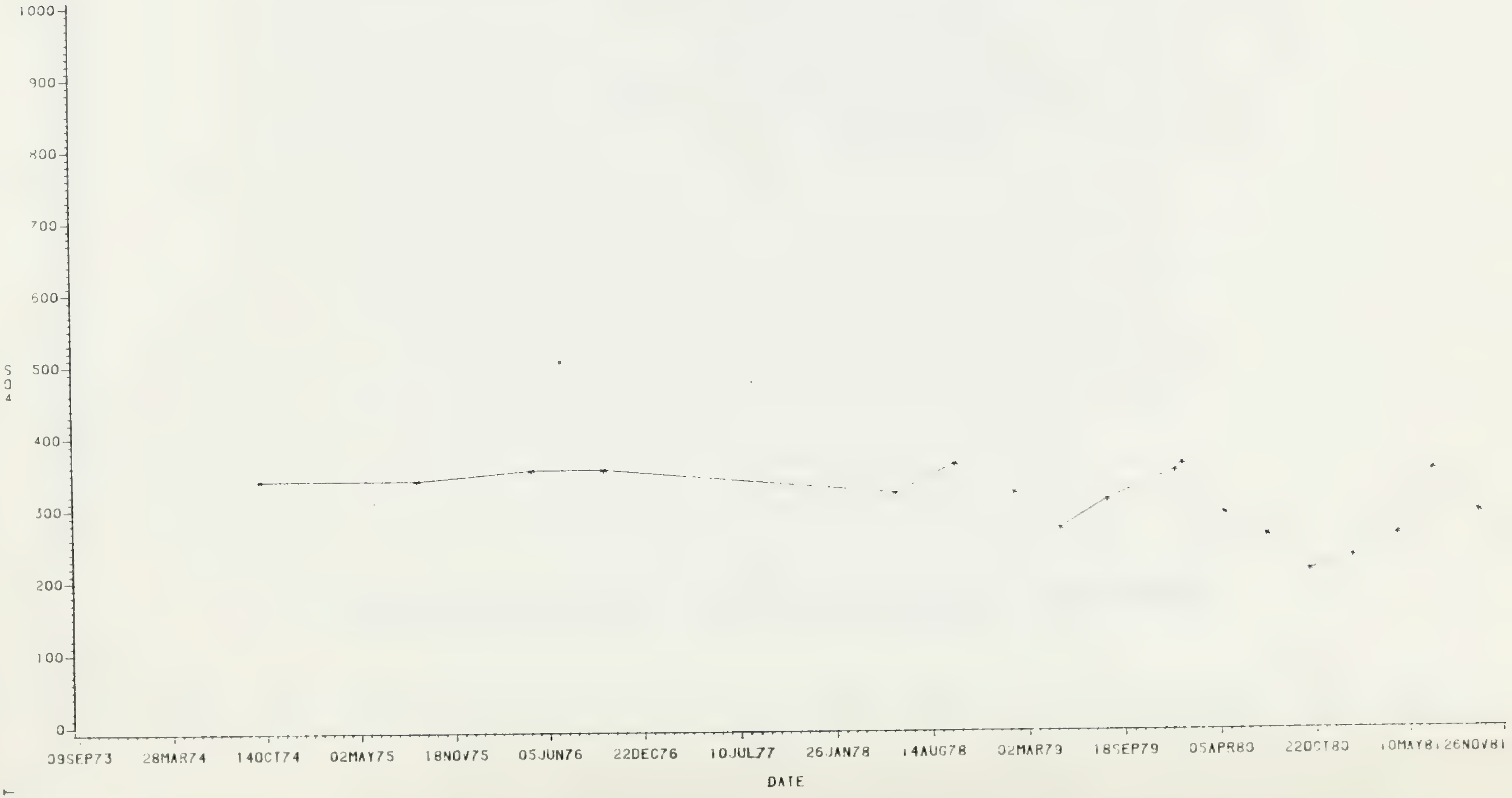
TIME SERIES PLOT OF SULFATE FOR SPRINGS AND SEEPS

LOC=WS01



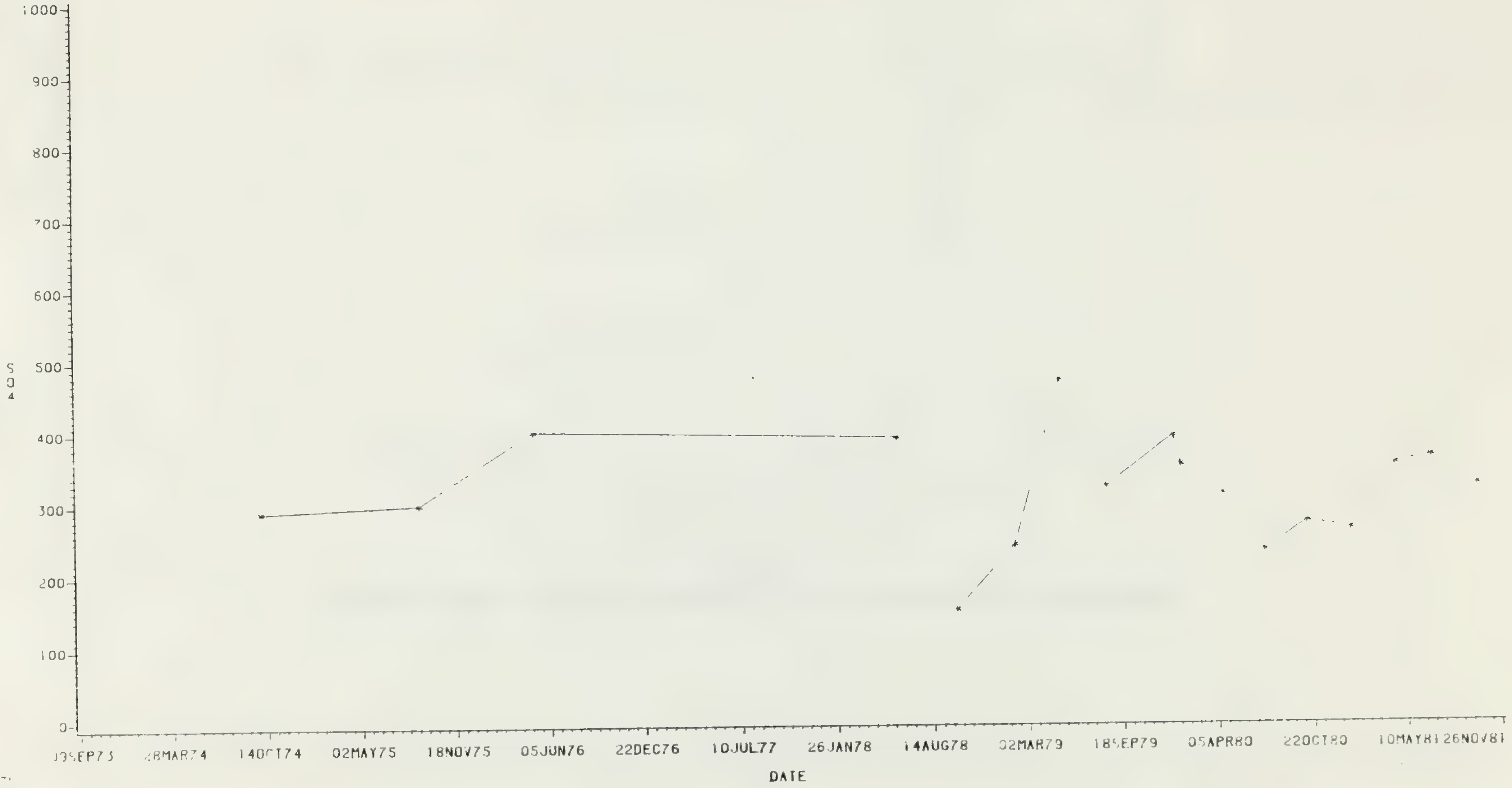
TIME SERIES PLOT OF SULFATE FOR SPRINGS AND SEEPS

LOC=WS02



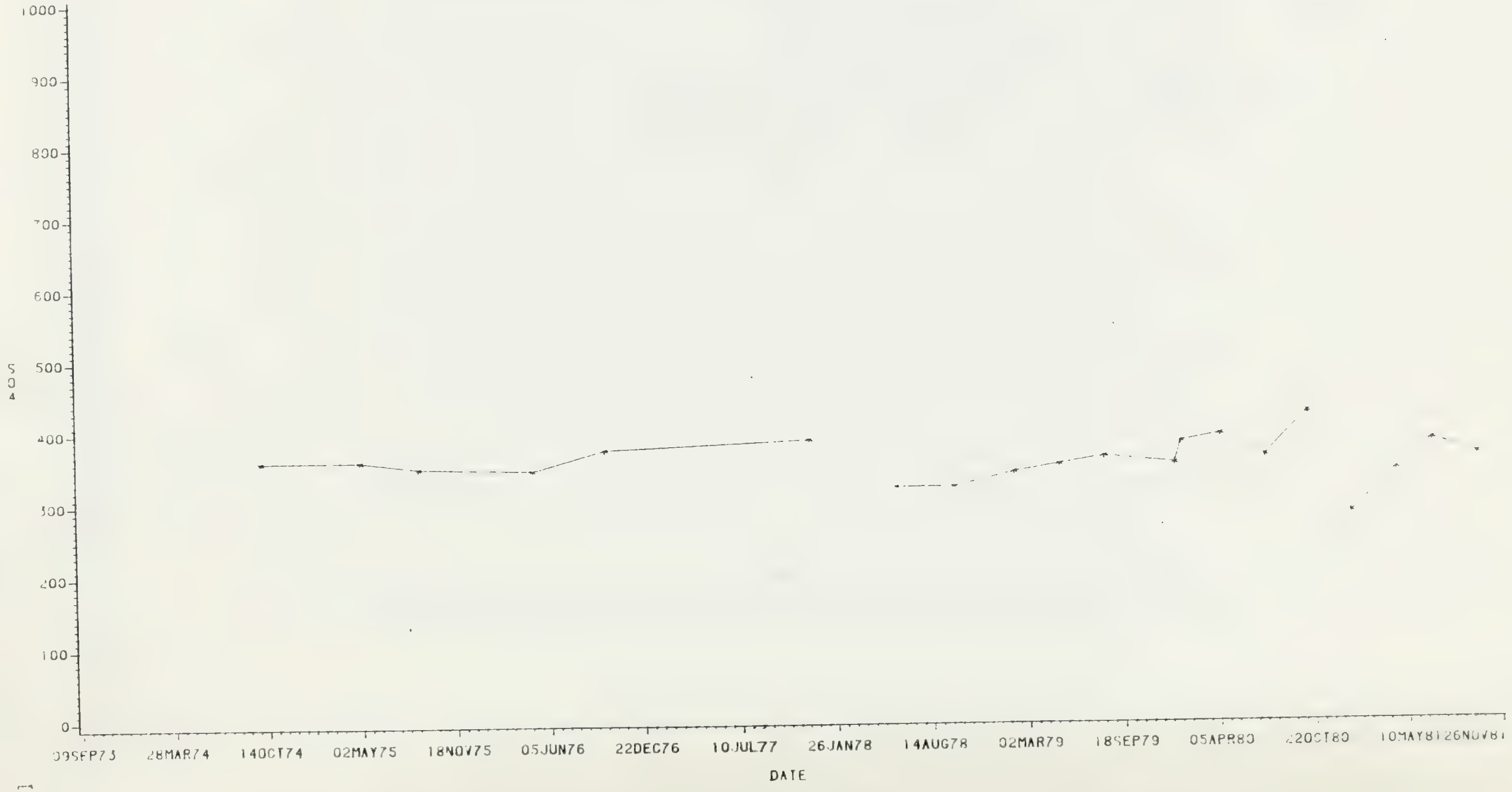
TIME SERIES PLOT OF SULFATE FOR SPRINGS AND SEEPS

LOC=WS04



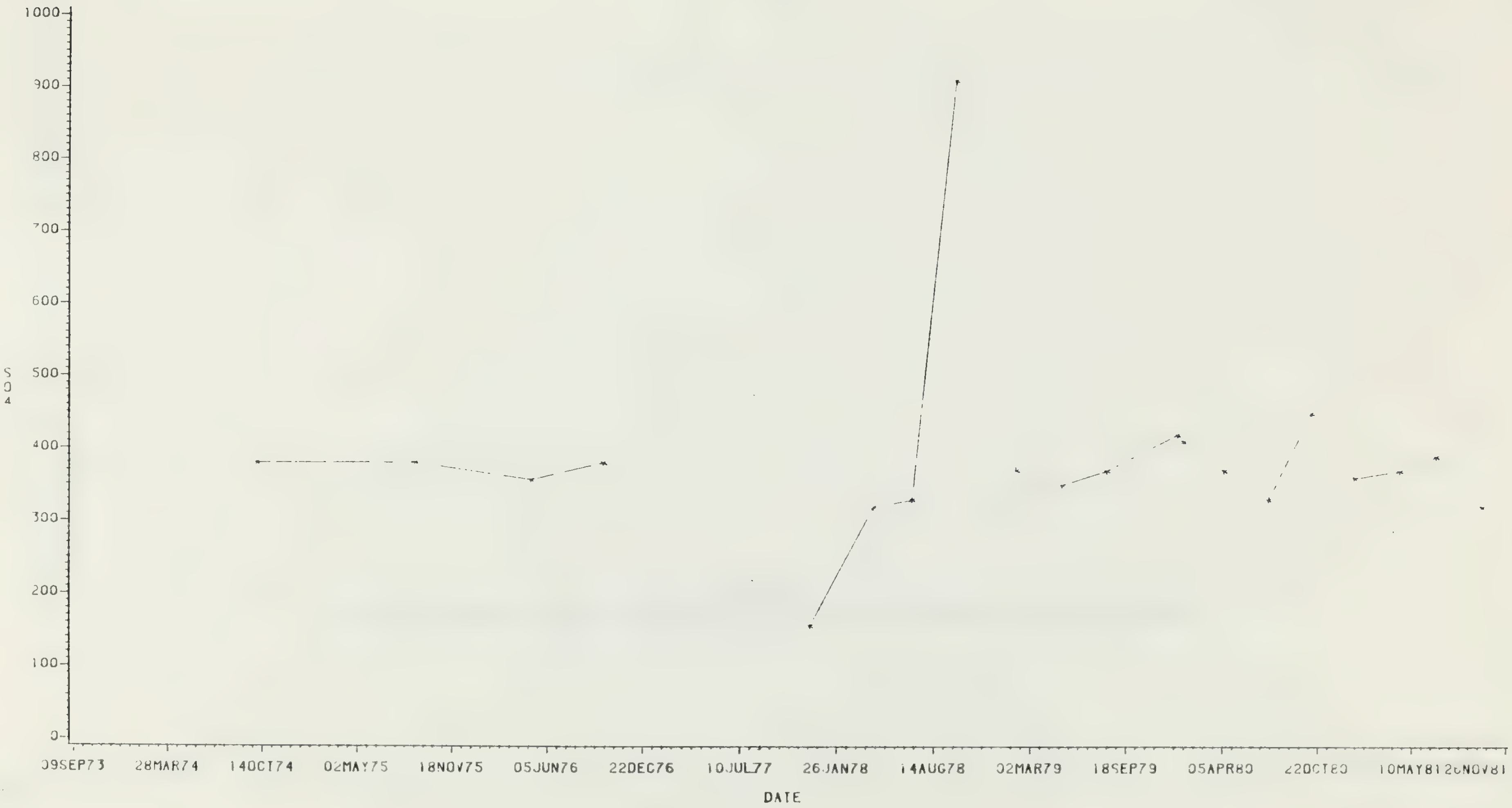
TIME SERIES PLOT OF SULFATE FOR SPRINGS AND SEEPS

LOC=WS06



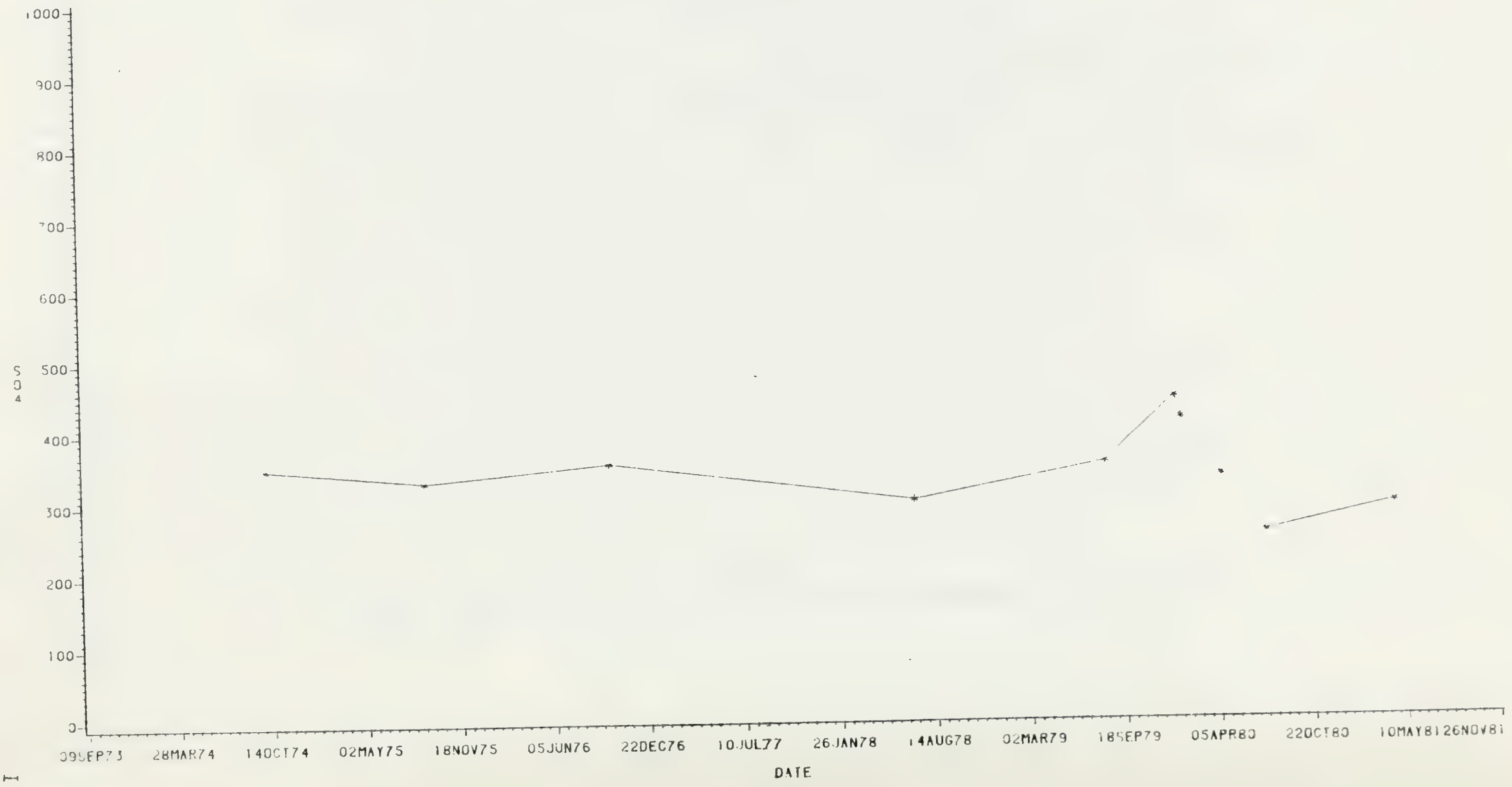
TIME SERIES PLOT OF SULFATE FOR SPRINGS AND SEEPS

LOC=WS07



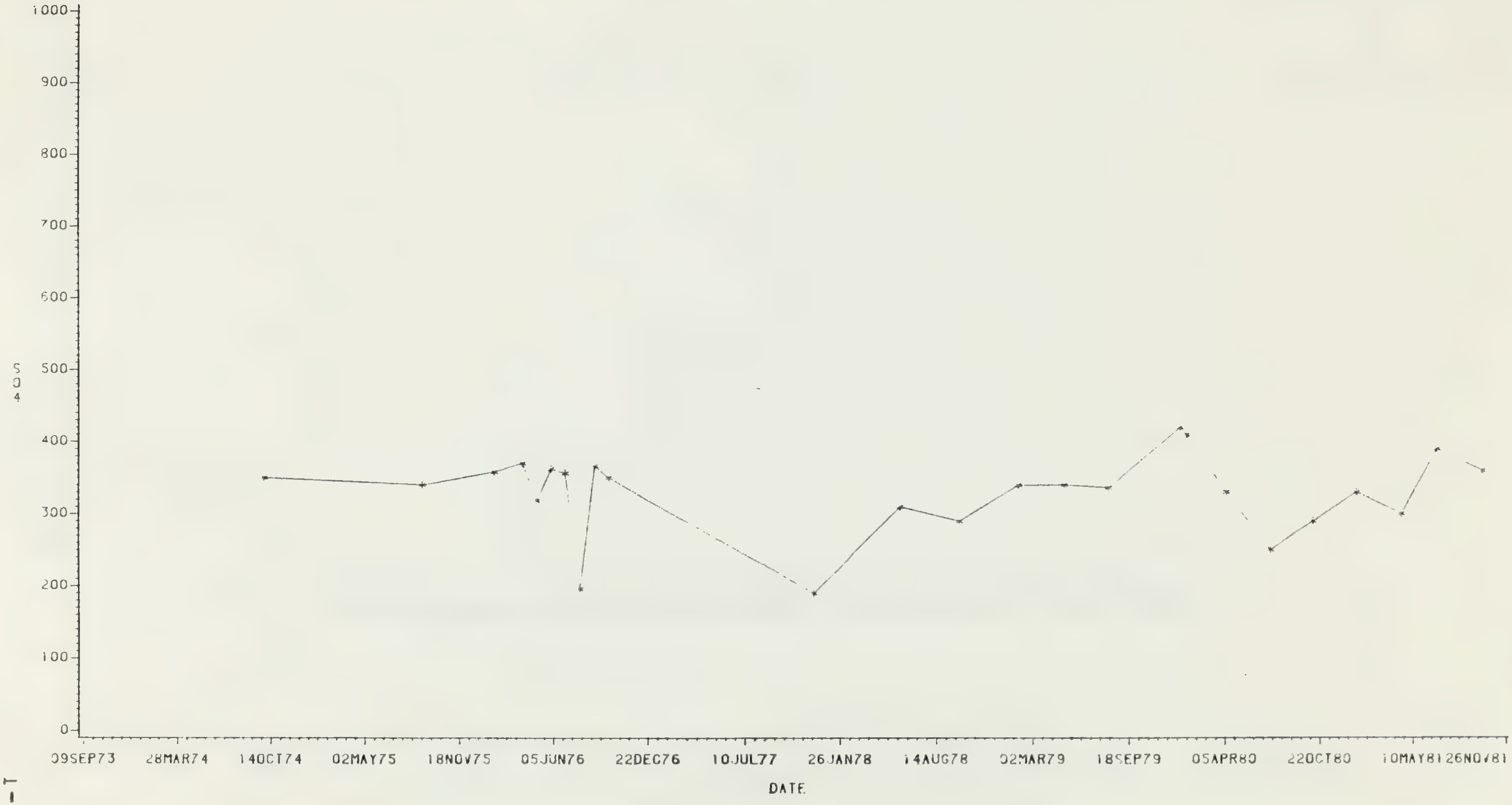
TIME SERIES PLOT OF SULFATE FOR SPRINGS AND SEEPS

LOC=WS08



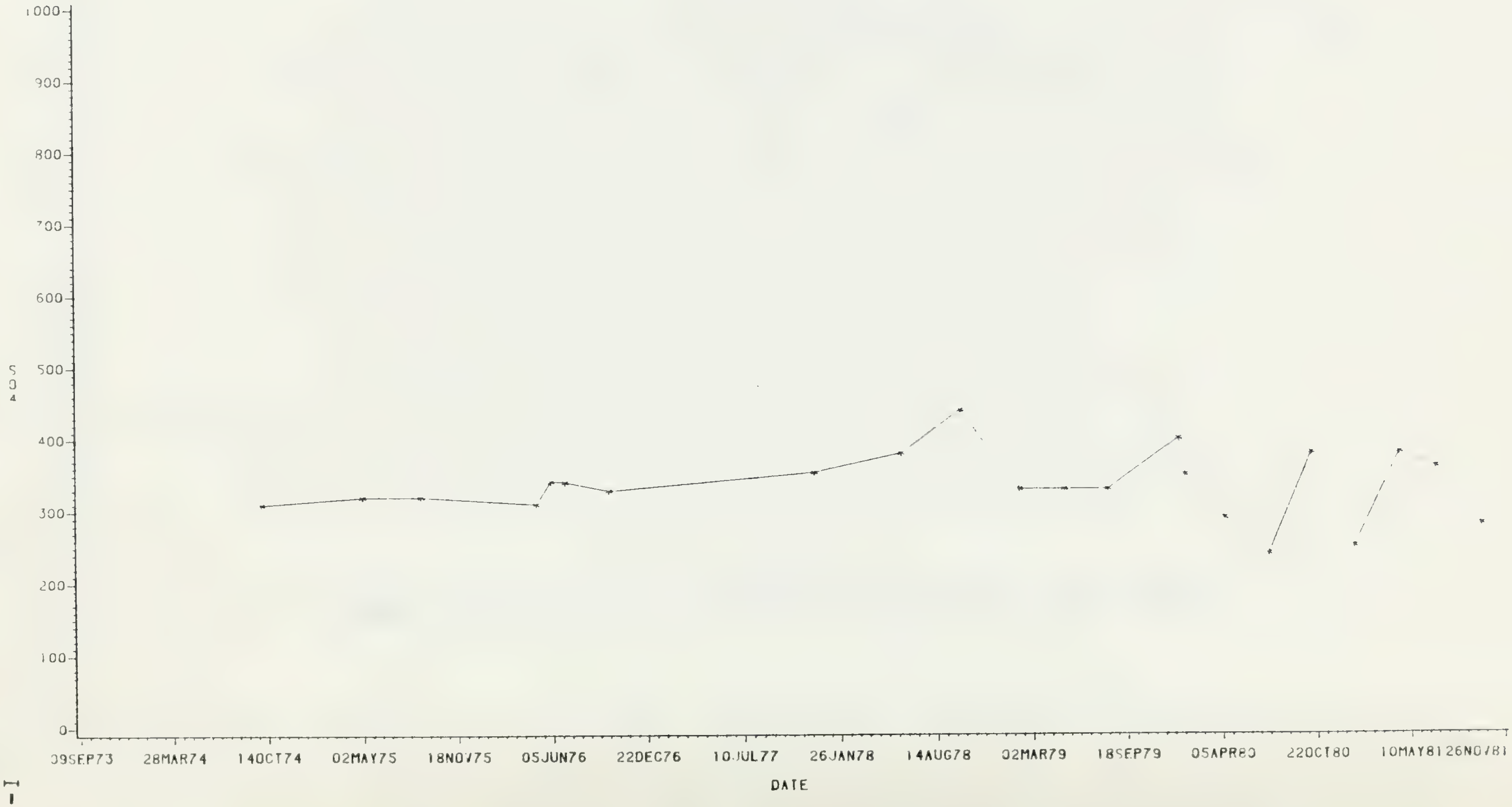
TIME SERIES PLOT OF SULFATE FOR SPRINGS AND SEEPS

LOC=WS09



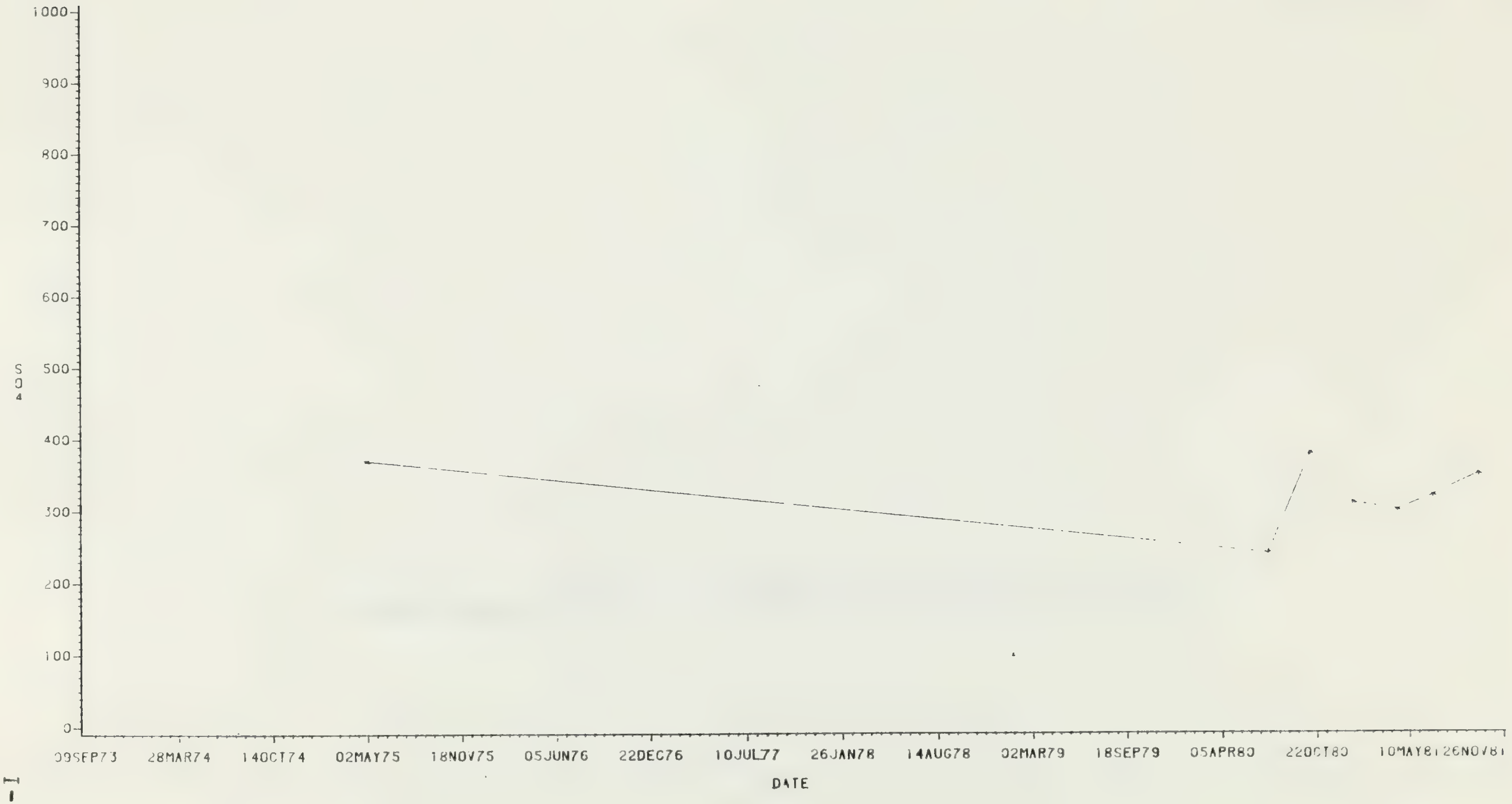
TIME SERIES PLOT OF SULFATE FOR SPRINGS AND SEEPS

LOC=WS10



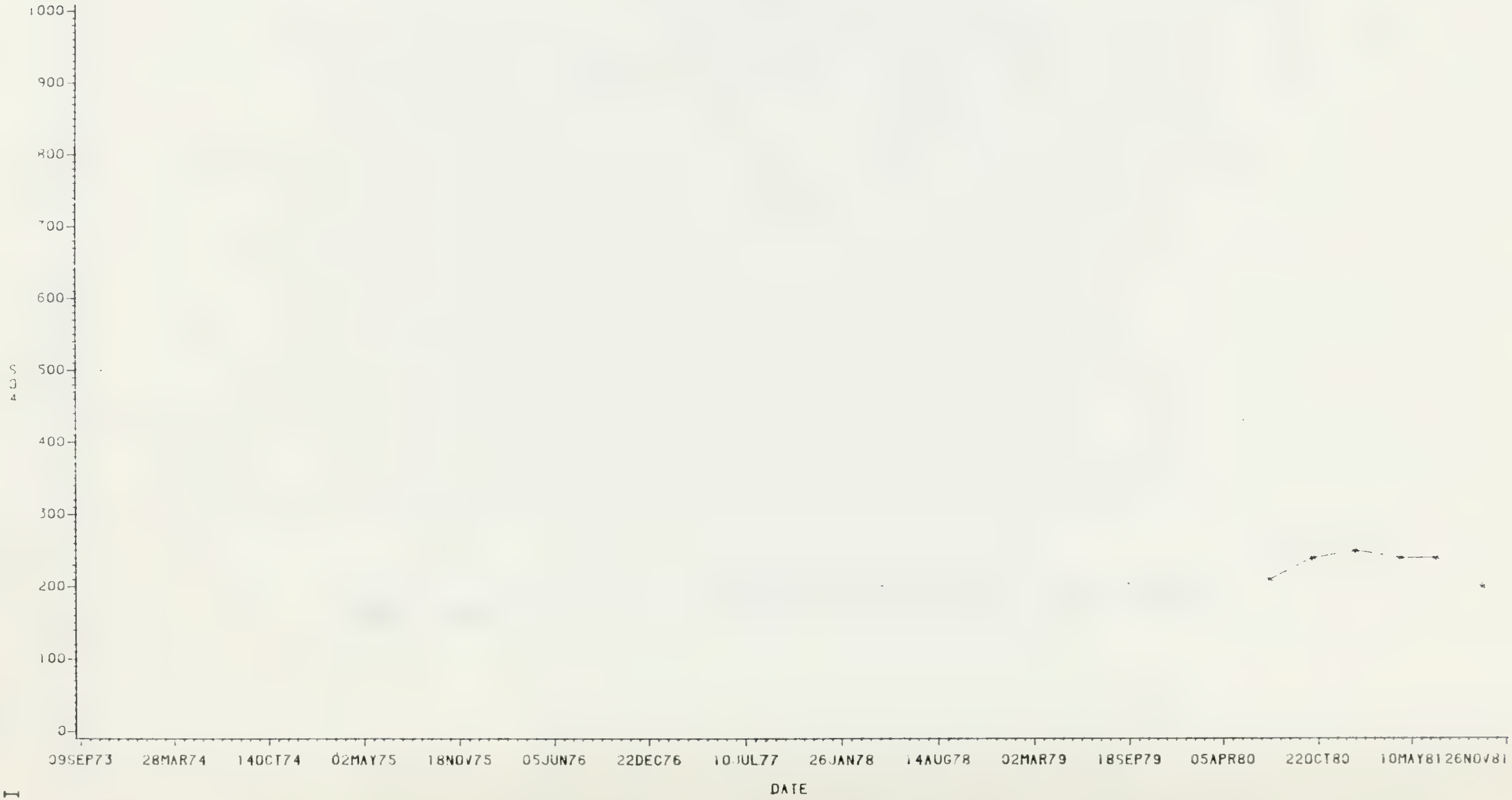
TIME SERIES PLOT OF SULFATE FOR SPRINGS AND SEEPS

LOC=WS11



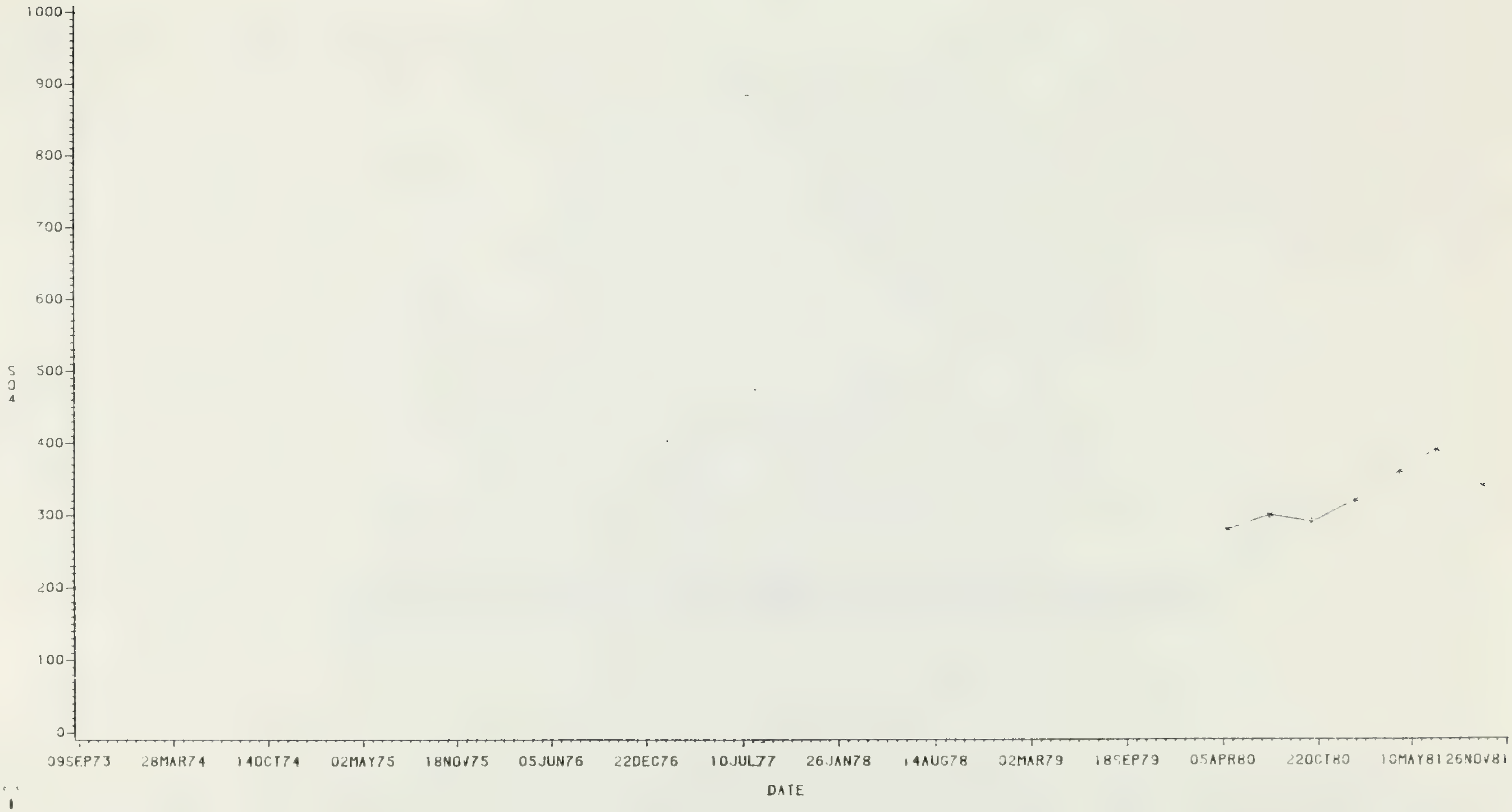
TIME SERIES PLOT OF SULFATE FOR SPRINGS AND SEEPS

LOC=WS12



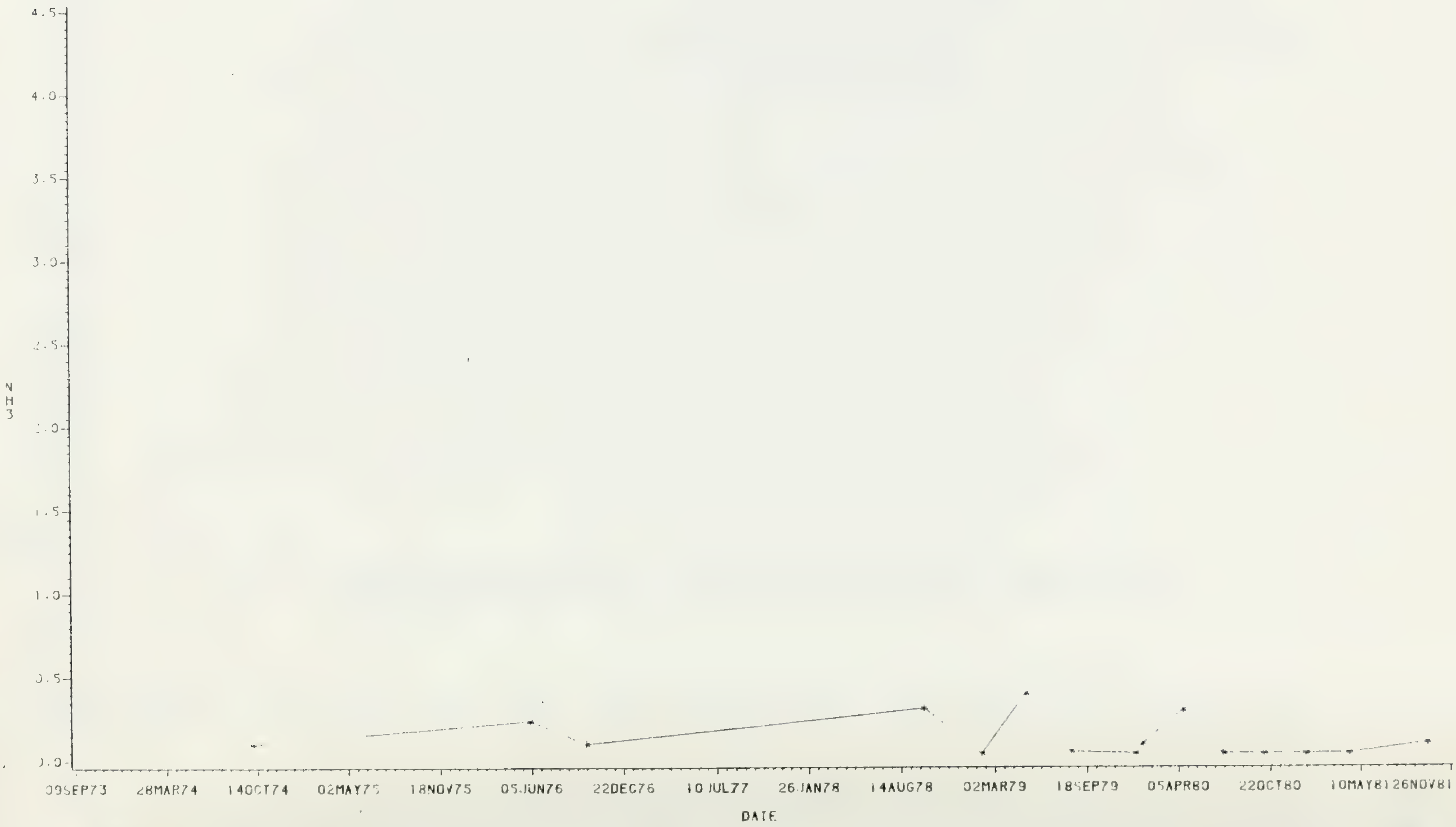
TIME SERIES PLOT OF SULFATE FOR SPRINGS AND SEEPS

LOC=WS36



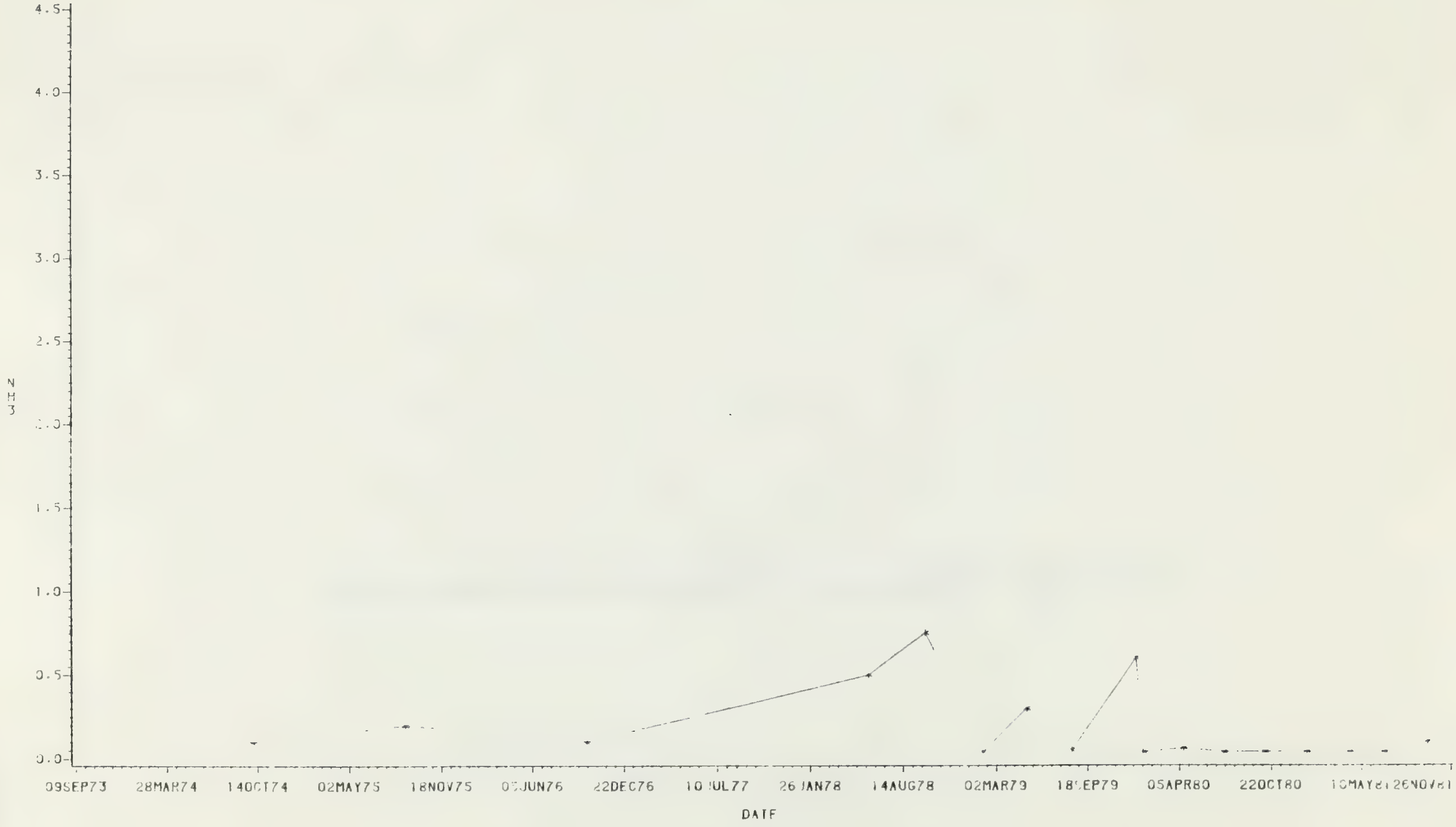
TIME SERIES PLOT OF AMMONIA FOR SPRINGS AND SEEPS

LOC=WS01



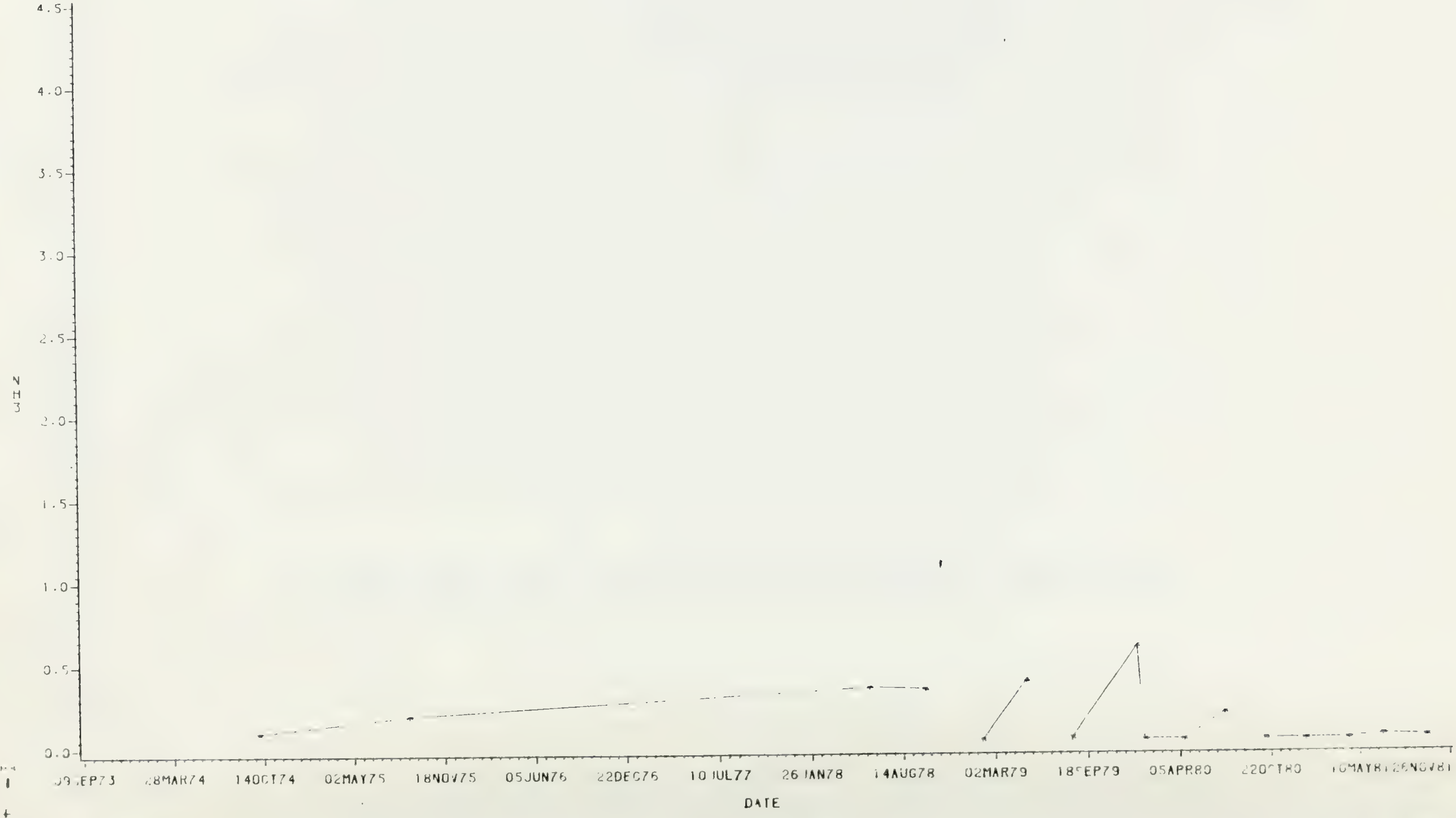
TIME SERIES PLOT OF AMMONIA FOR SPRINGS AND SEEPS

LOC=WS02



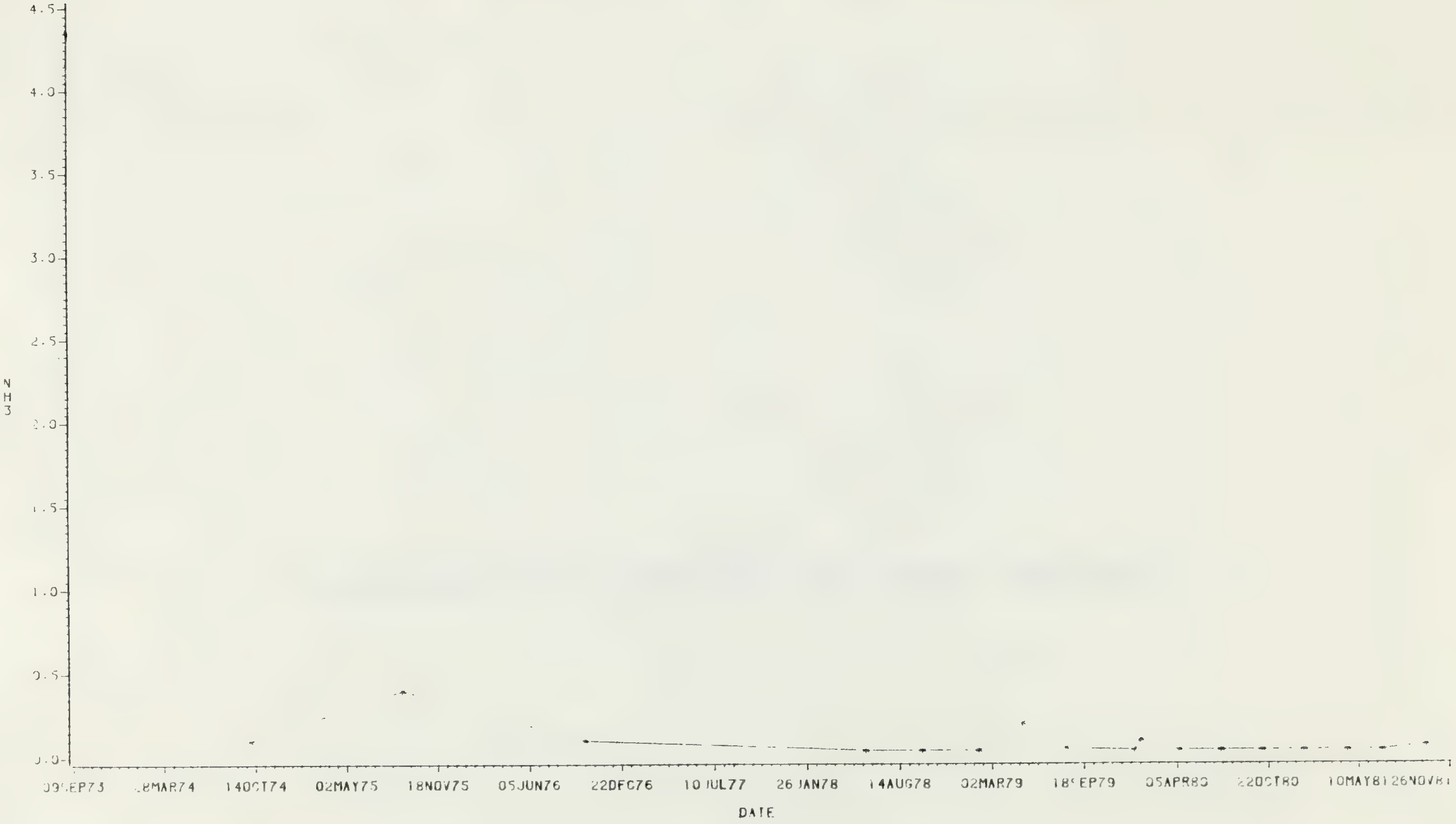
TIME SERIES PLOT OF AMMONIA FOR SPRINGS AND SEEPS

LOC=WS04



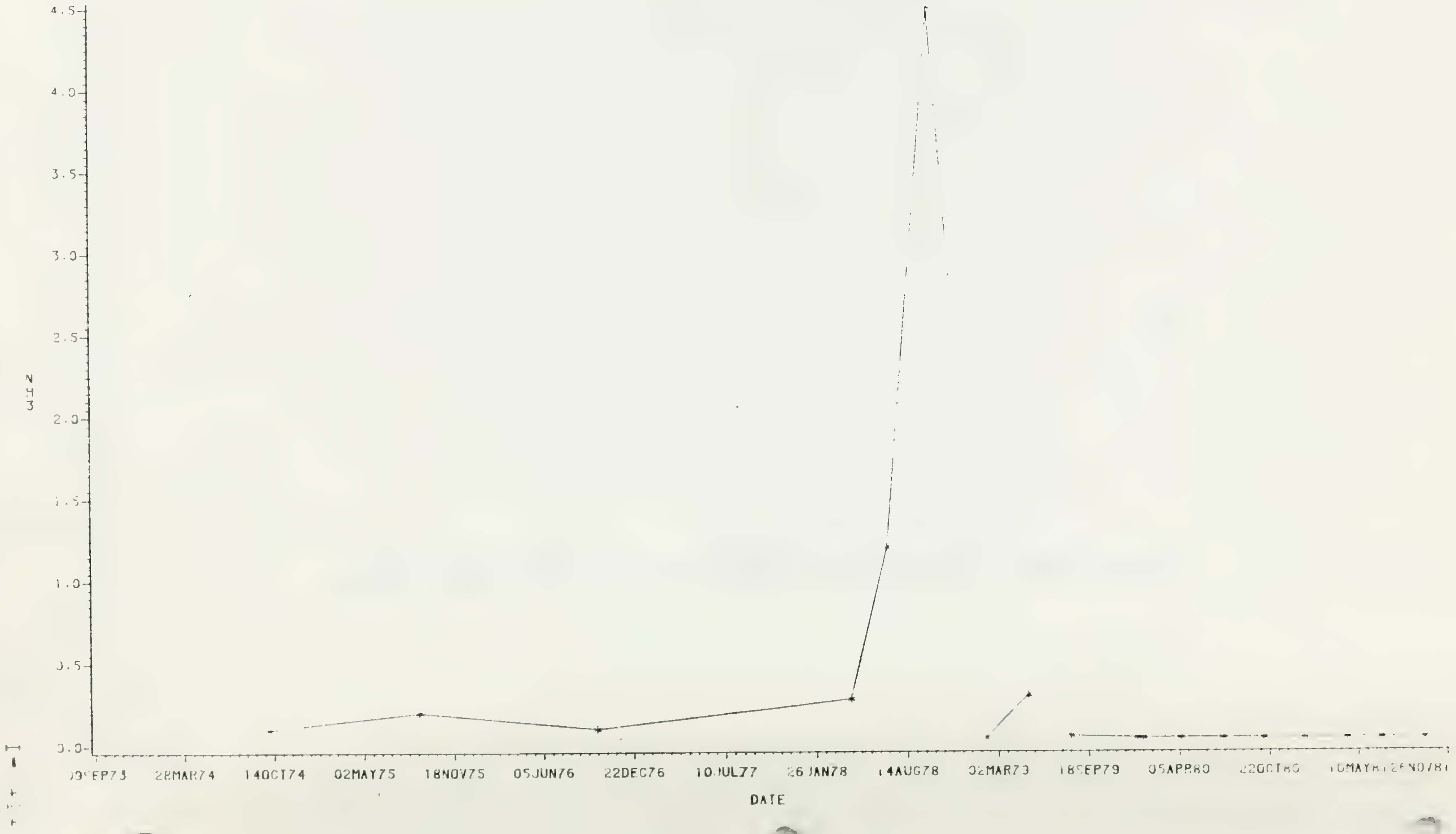
TIME SERIES PLOT OF AMMONIA FOR SPRINGS AND SEEPS

LOC=WS06



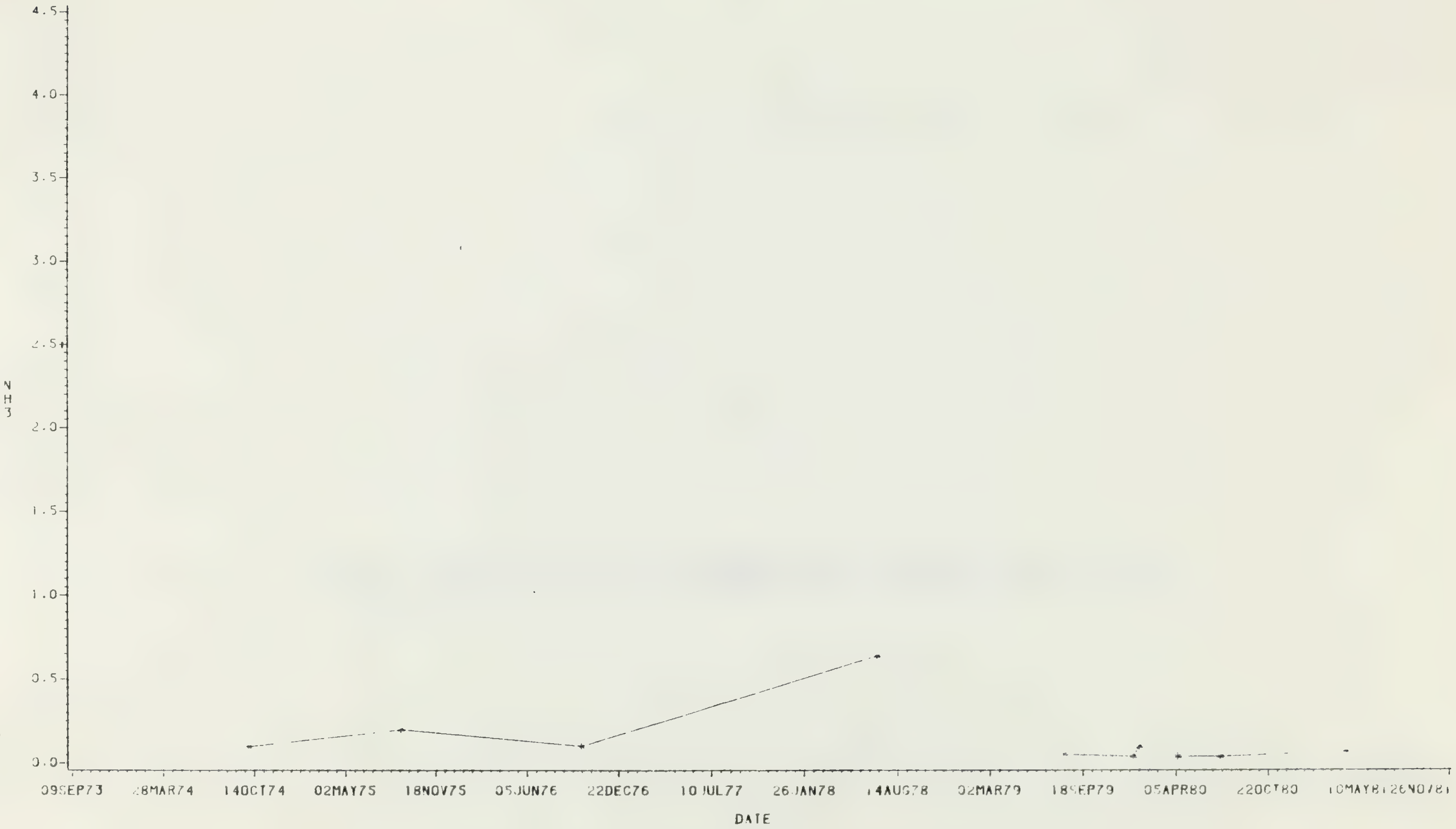
TIME SERIES PLOT OF AMMONIA FOR SPRINGS AND SEEPS

LOC=WS07



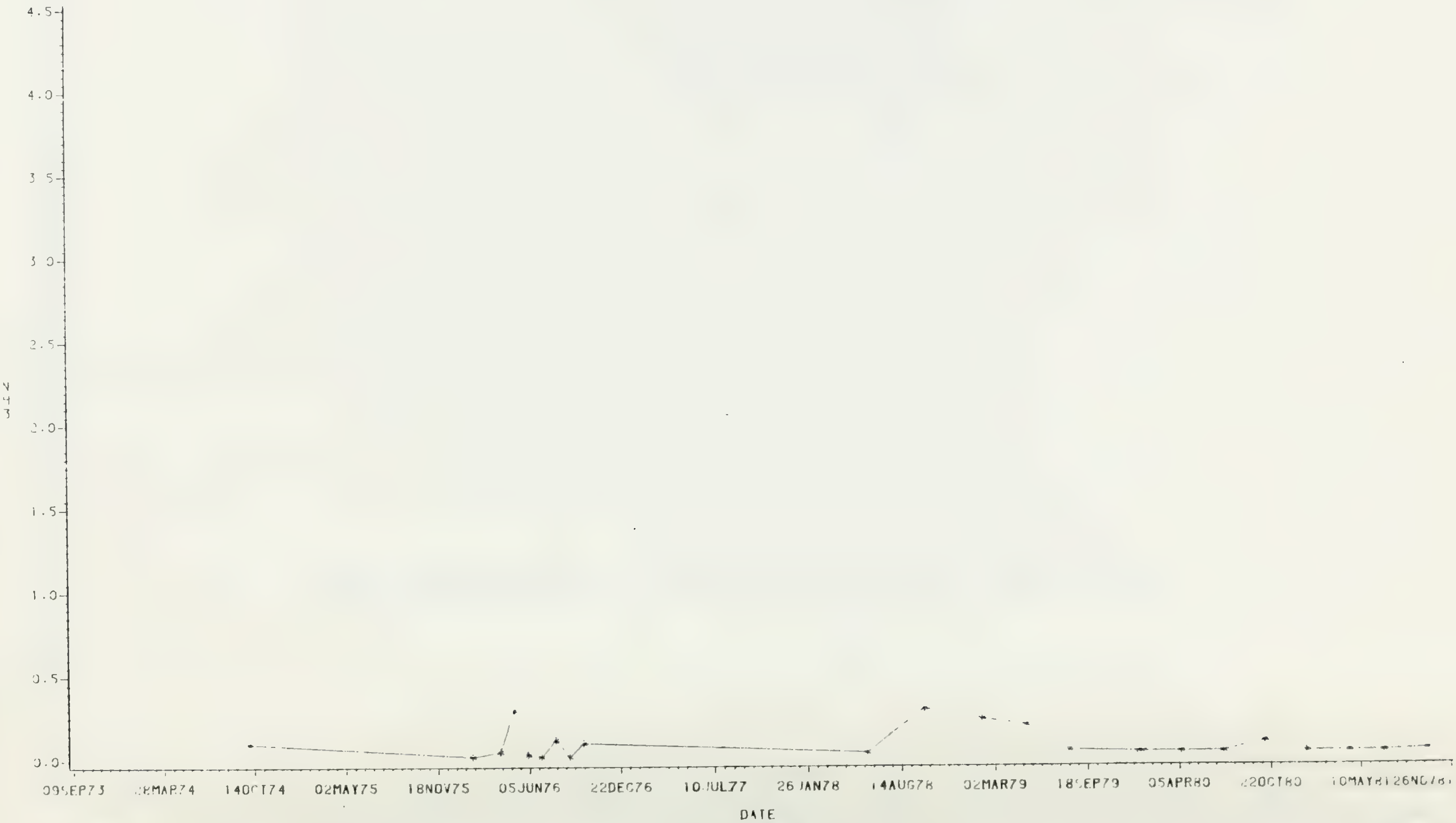
TIME SERIES PLOT OF AMMONIA FOR SPRINGS AND SEEPS

LOC=WS08



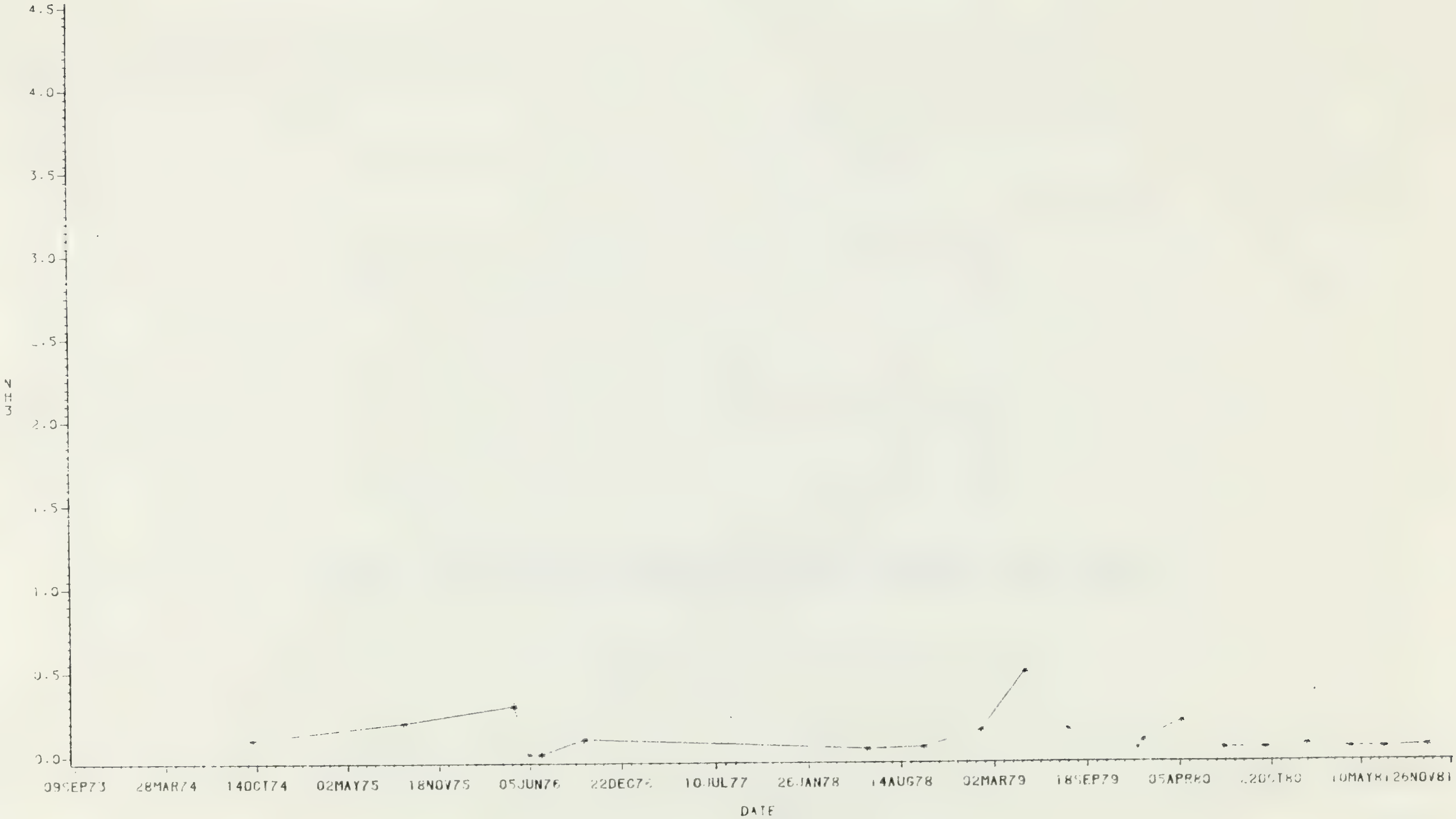
TIME SERIES PLOT OF AMMONIA FOR SPRINGS AND SEEPS

LOC=WS09



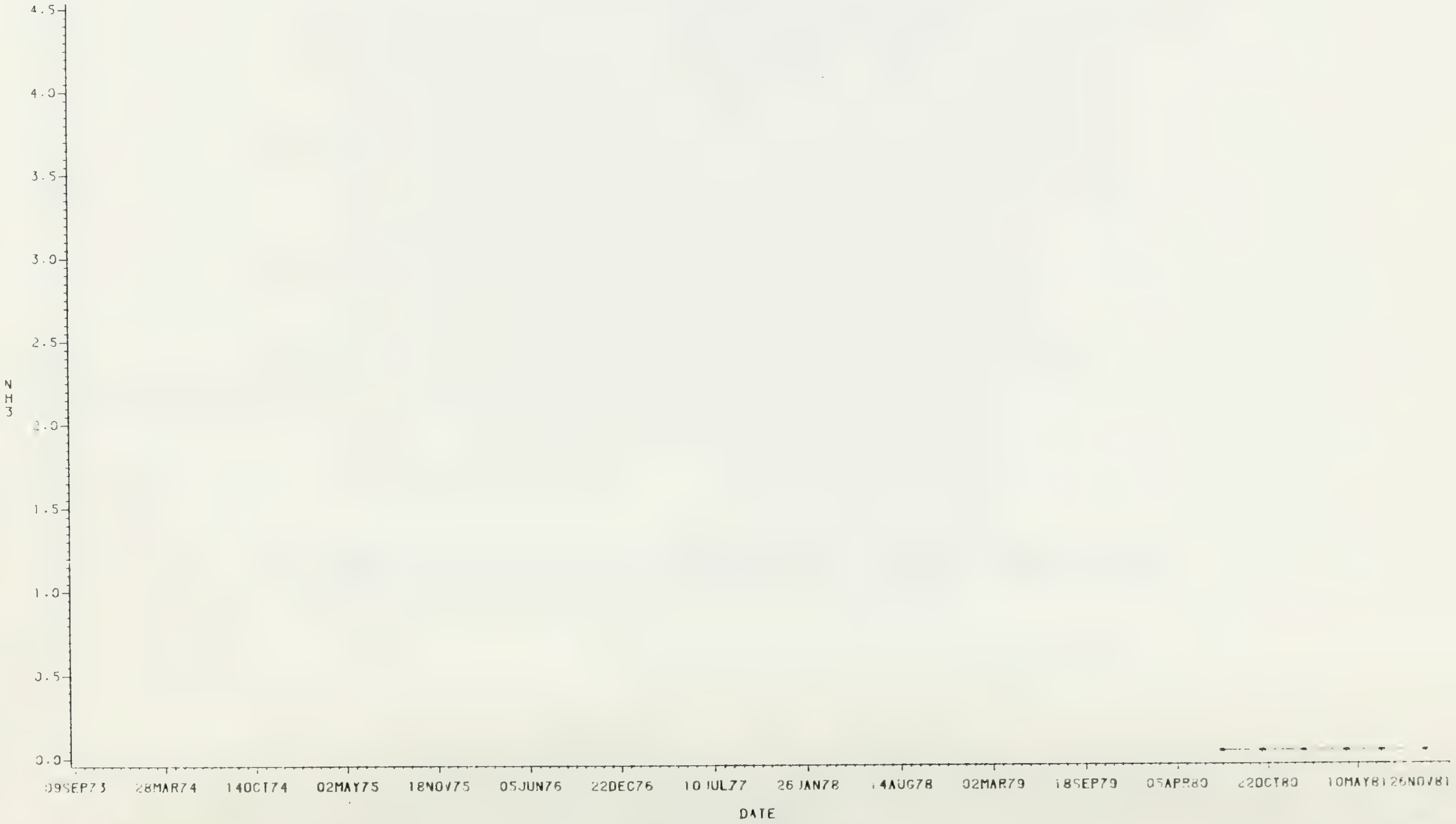
TIME SERIES PLOT OF AMMONIA FOR SPRINGS AND SEEPS

LOC=WS10



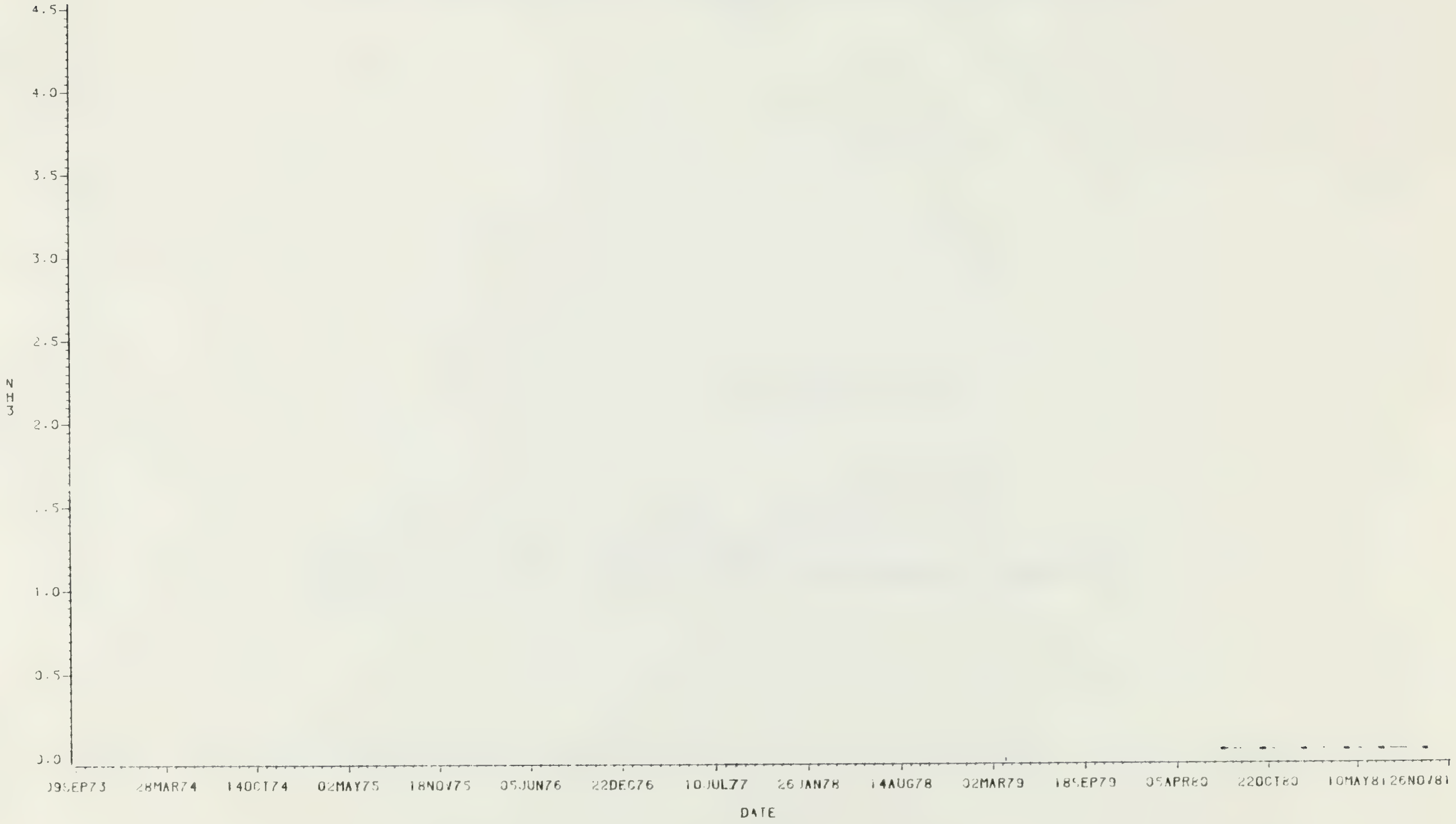
TIME SERIES PLOT OF AMMONIA FOR SPRINGS AND SEEPS

LOC=WS11



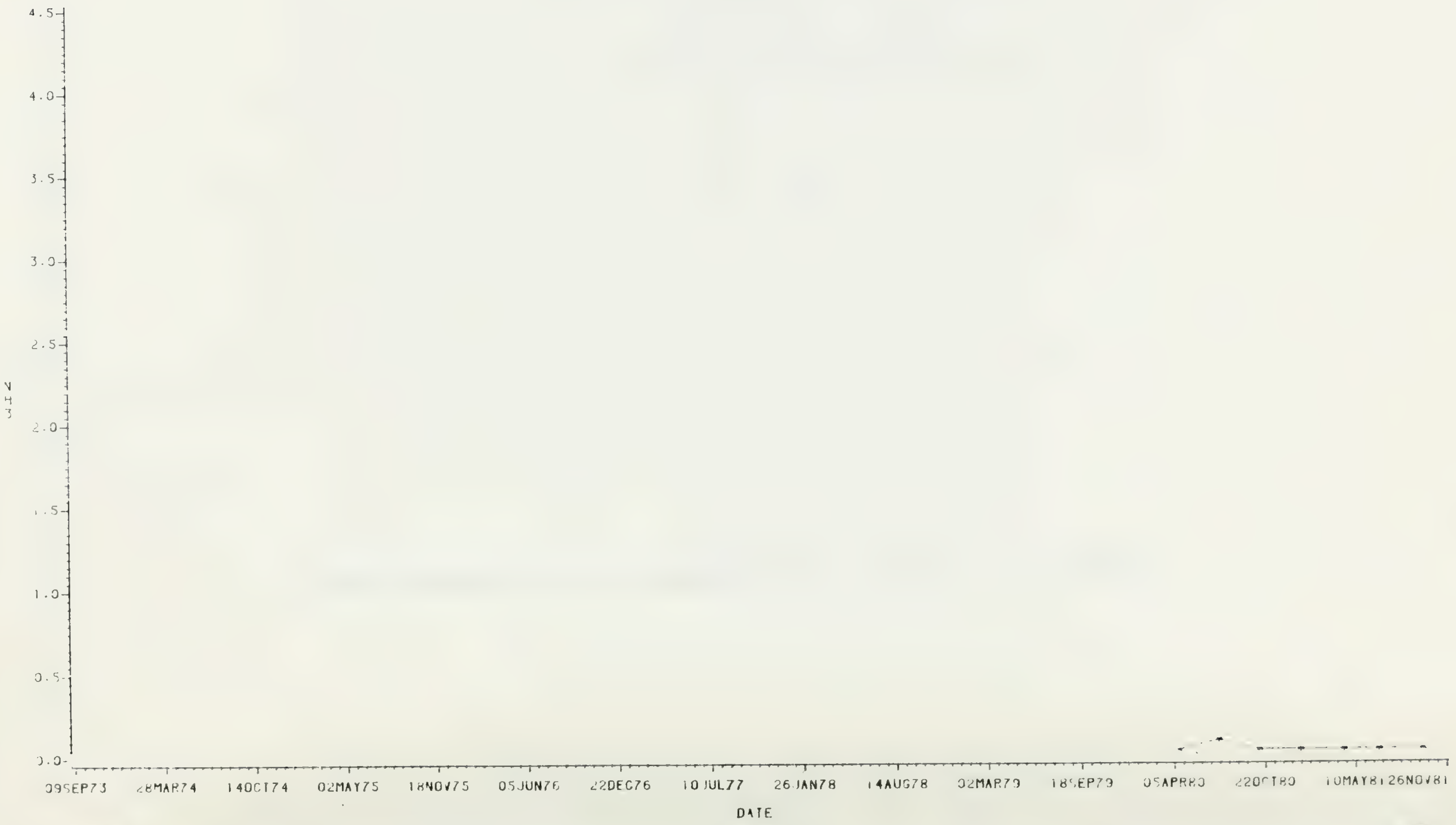
TIME SERIES PLOT OF AMMONIA FOR SPRINGS AND SEEPS

LOC=WS12



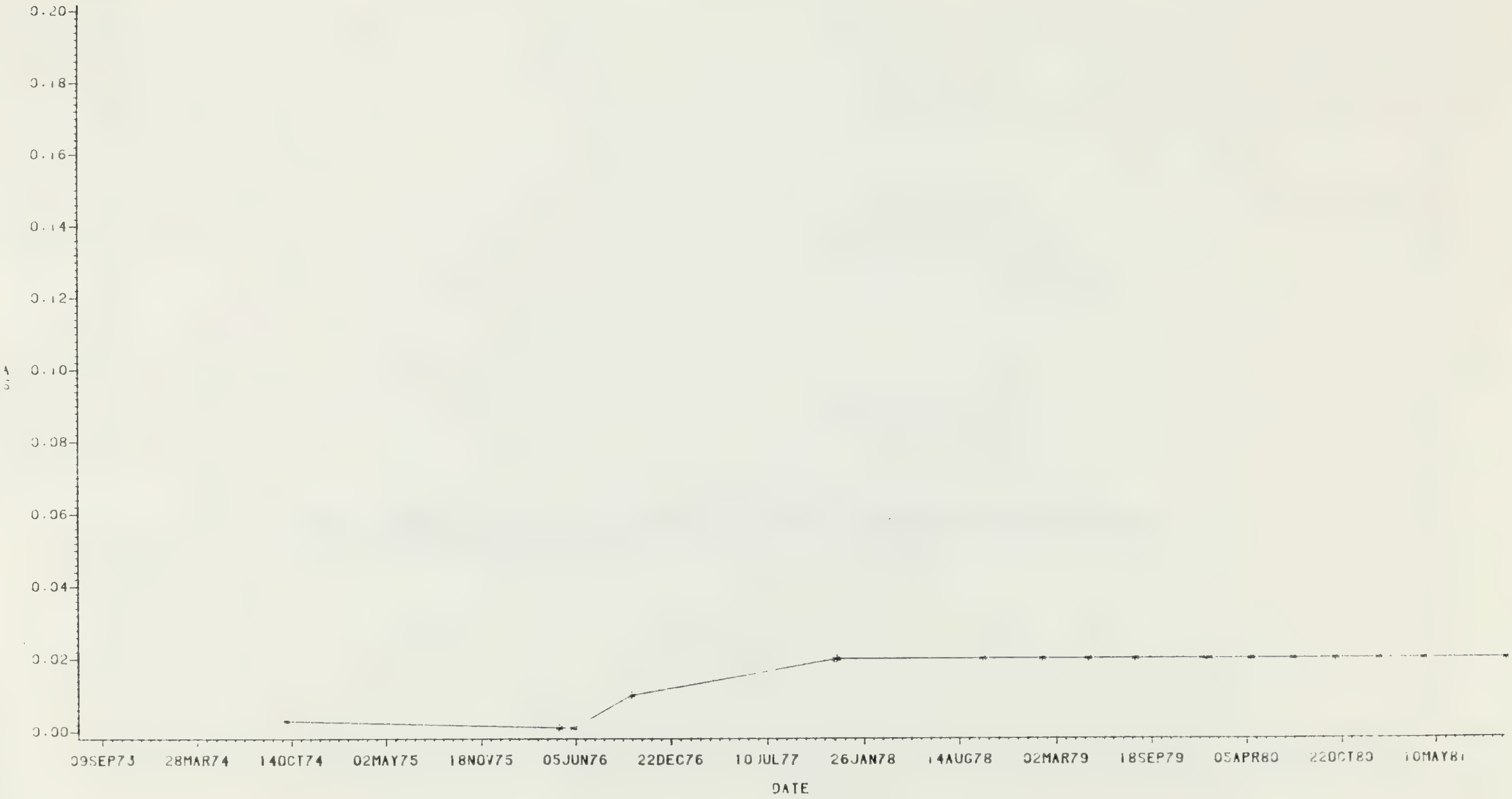
TIME SERIES PLOT OF AMMONIA FOR SPRINGS AND SEEPS

LOC=WS36



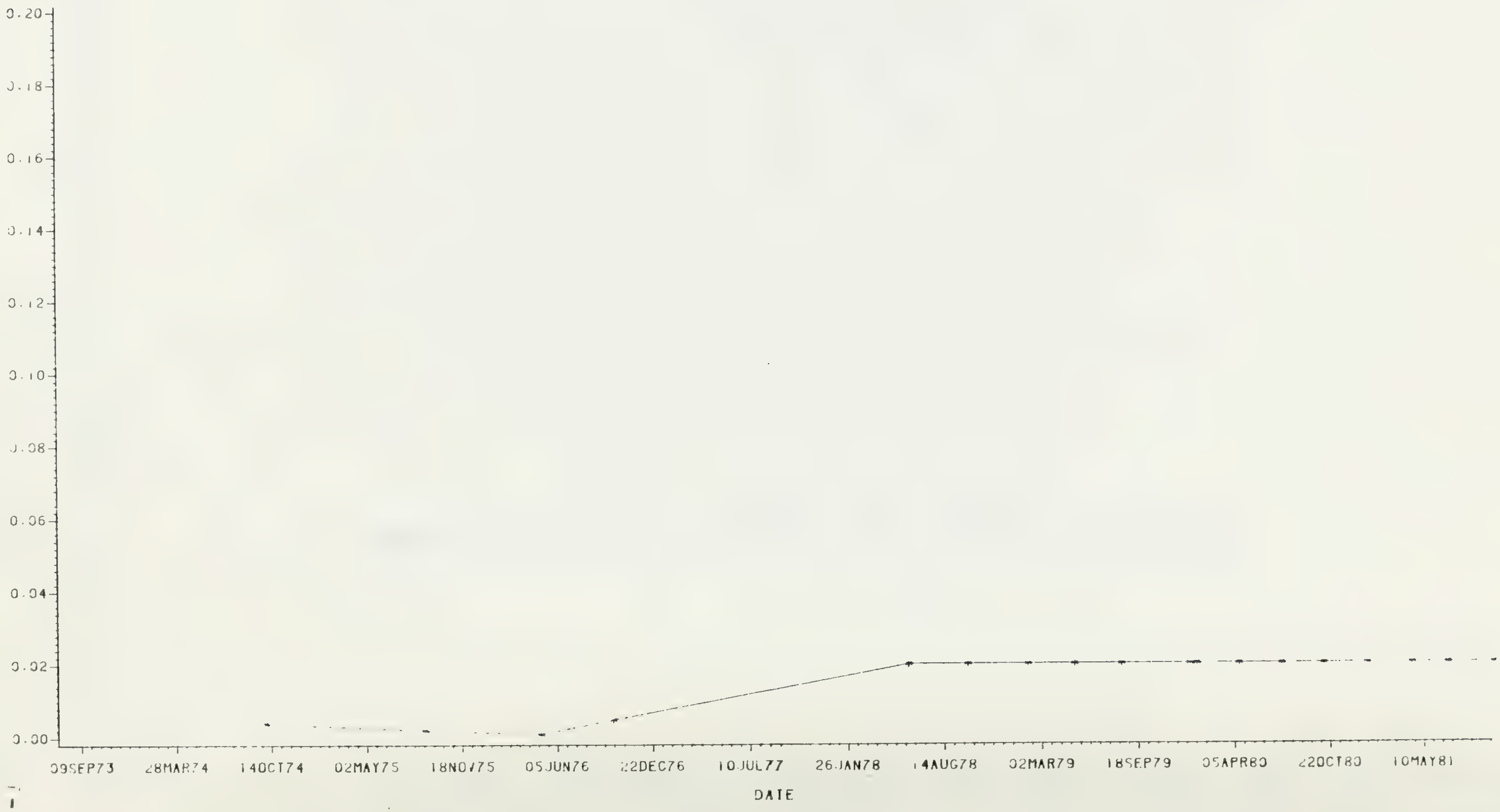
TIME SERIES PLOT OF ARSENIC FOR SPRINGS AND SEEPS

LOC=WS01



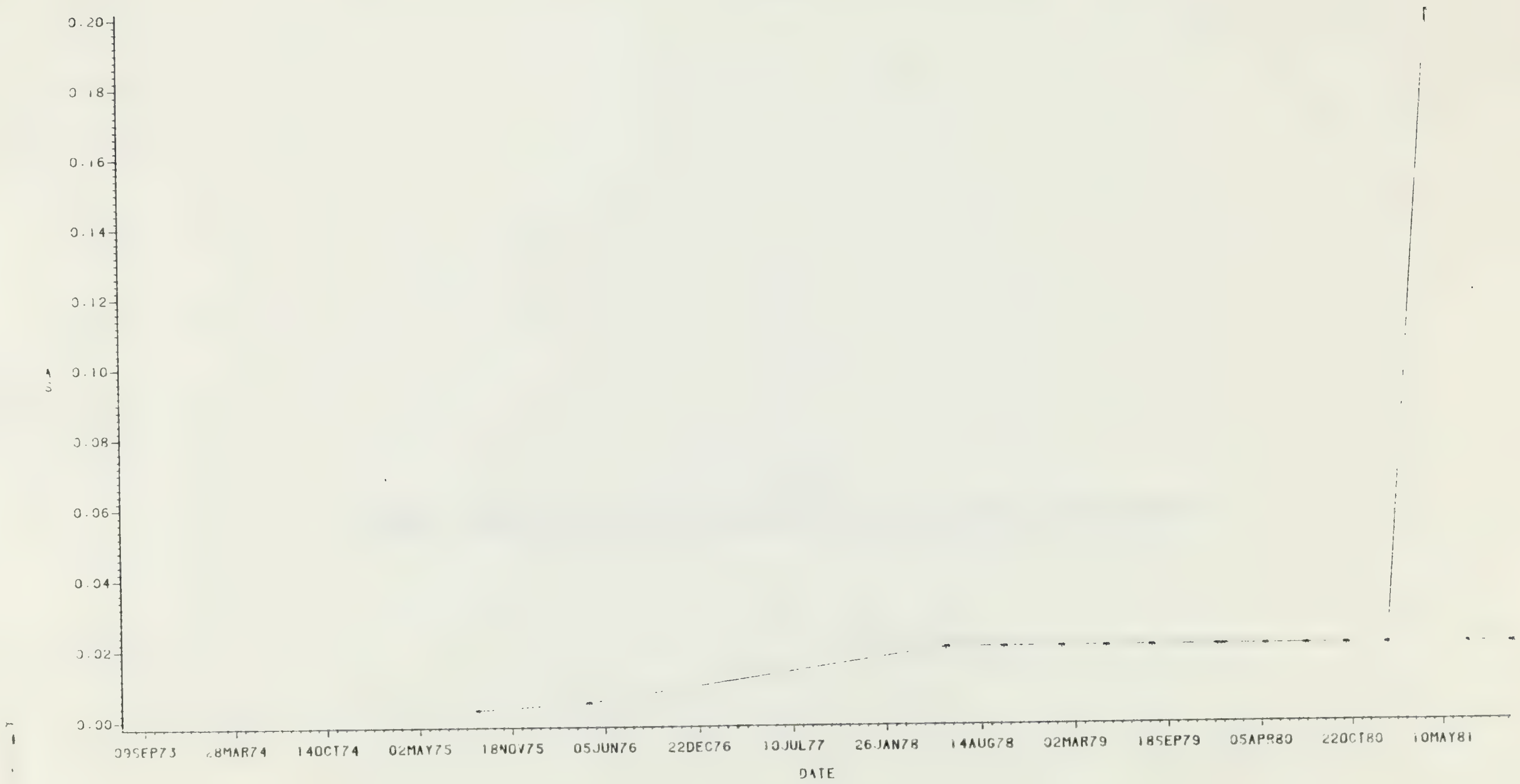
TIME SERIES PLOT OF ARSENIC FOR SPRINGS AND SEEPS

LOC=WS02



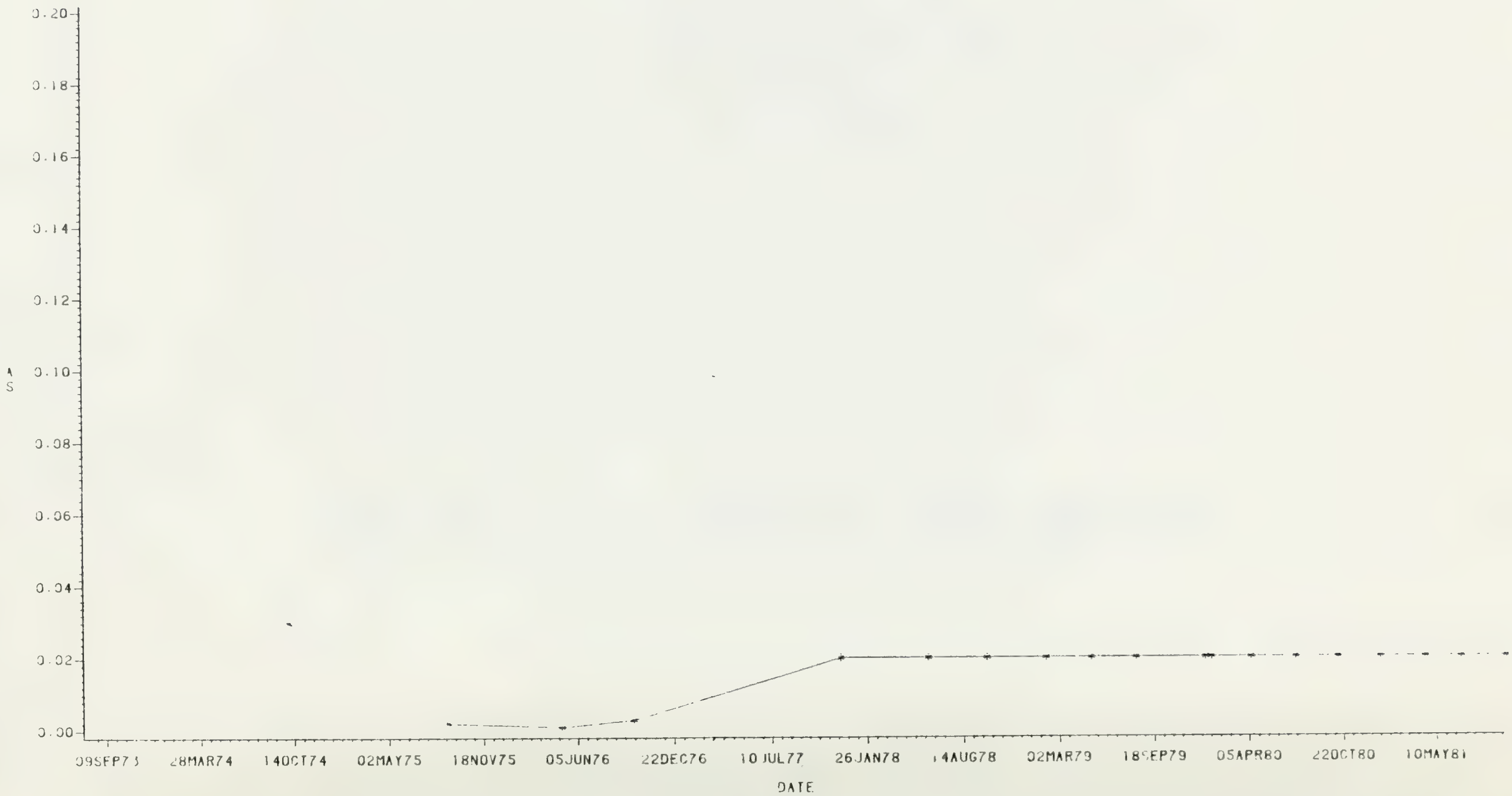
TIME SERIES PLOT OF ARSENIC FOR SPRINGS AND SEEPS

LOC=WS04



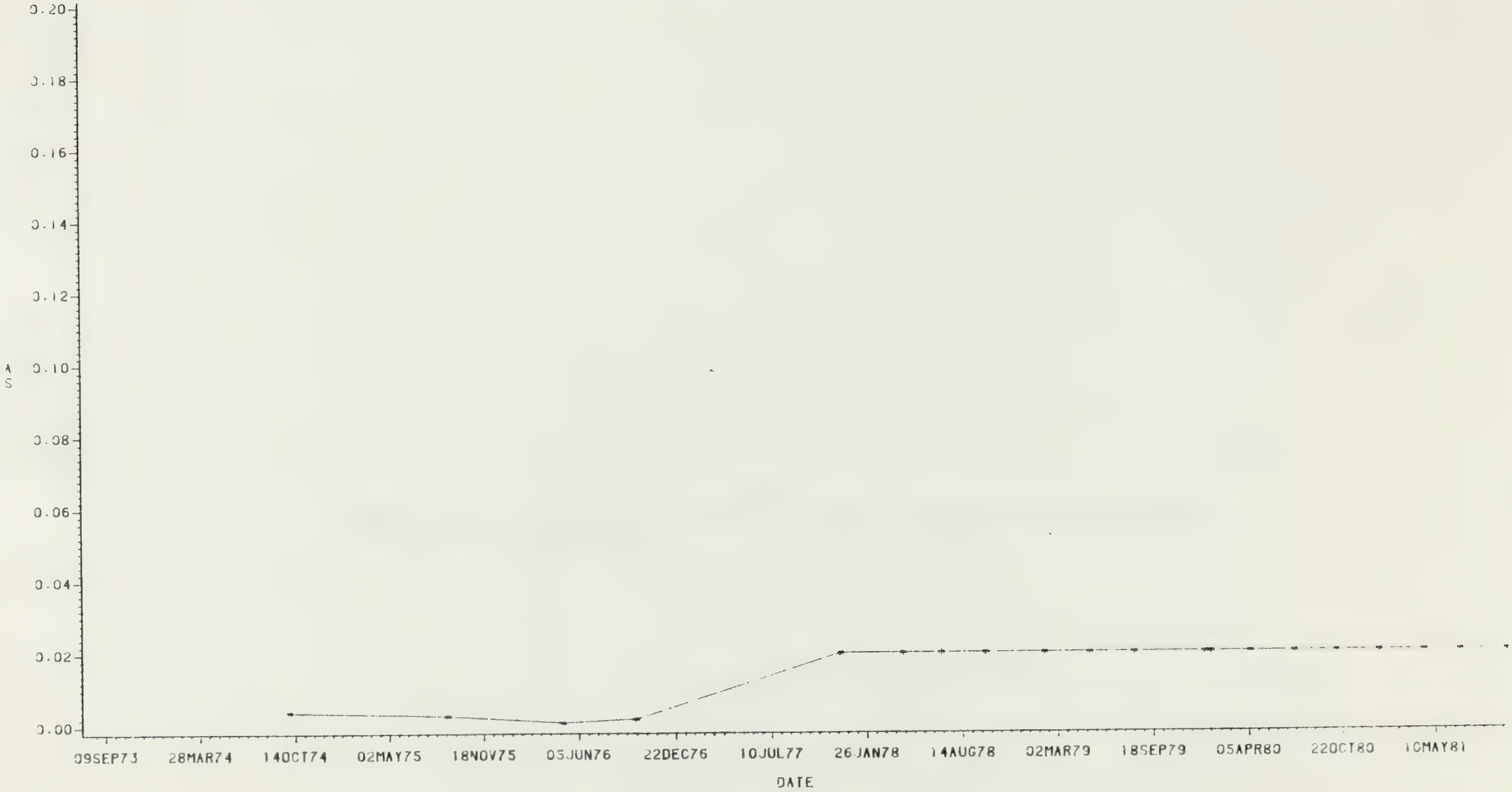
TIME SERIES PLOT OF ARSENIC FOR SPRINGS AND SEEPS

LOC=WS06



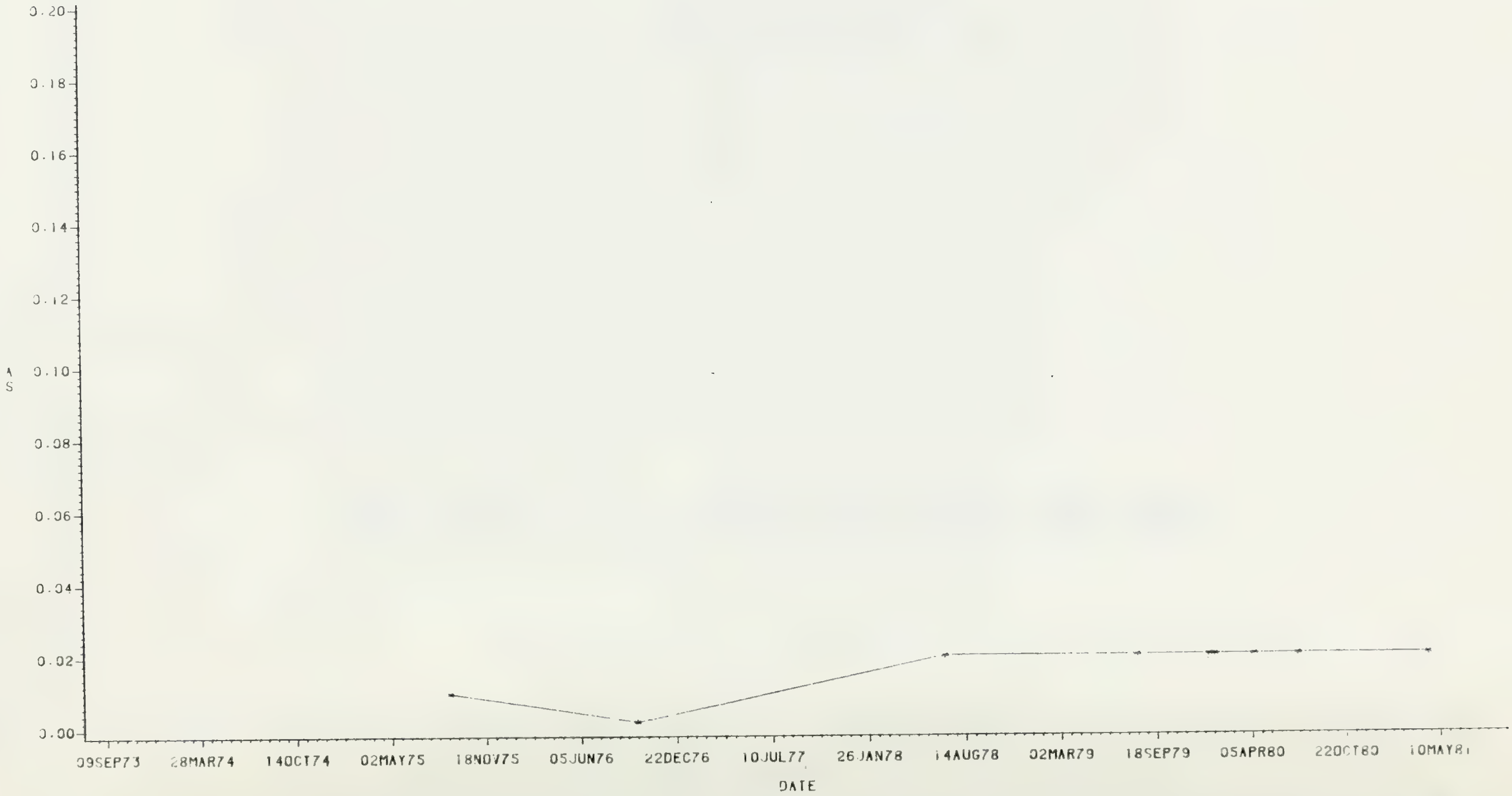
TIME SERIES PLOT OF ARSENIC FOR SPRINGS AND SEEPS

LOC=WS07



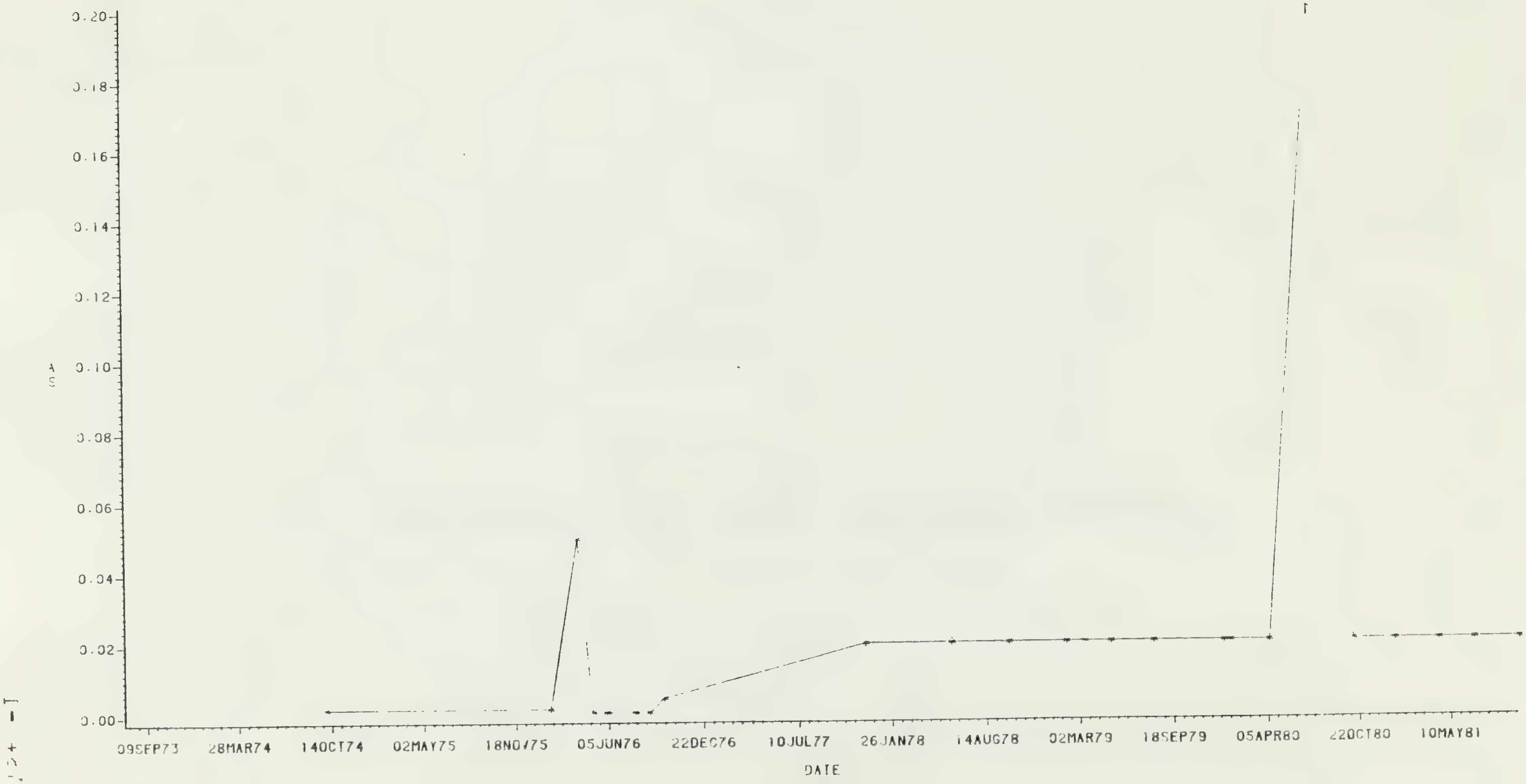
TIME SERIES PLOT OF ARSENIC FOR SPRINGS AND SEEPS

LOC=WS08



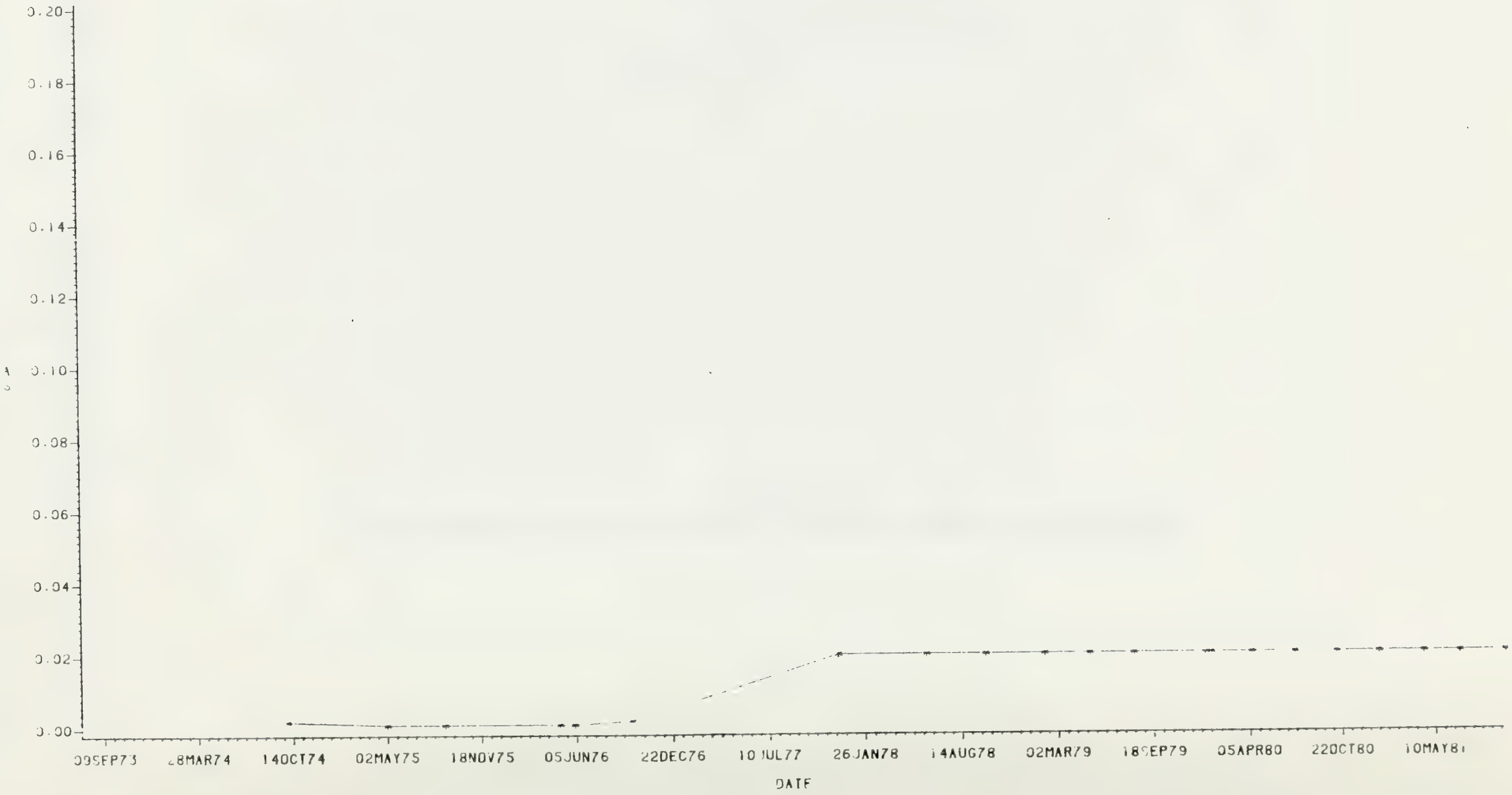
TIME SERIES PLOT OF ARSENIC FOR SPRINGS AND SEEPS

LOC=WS09



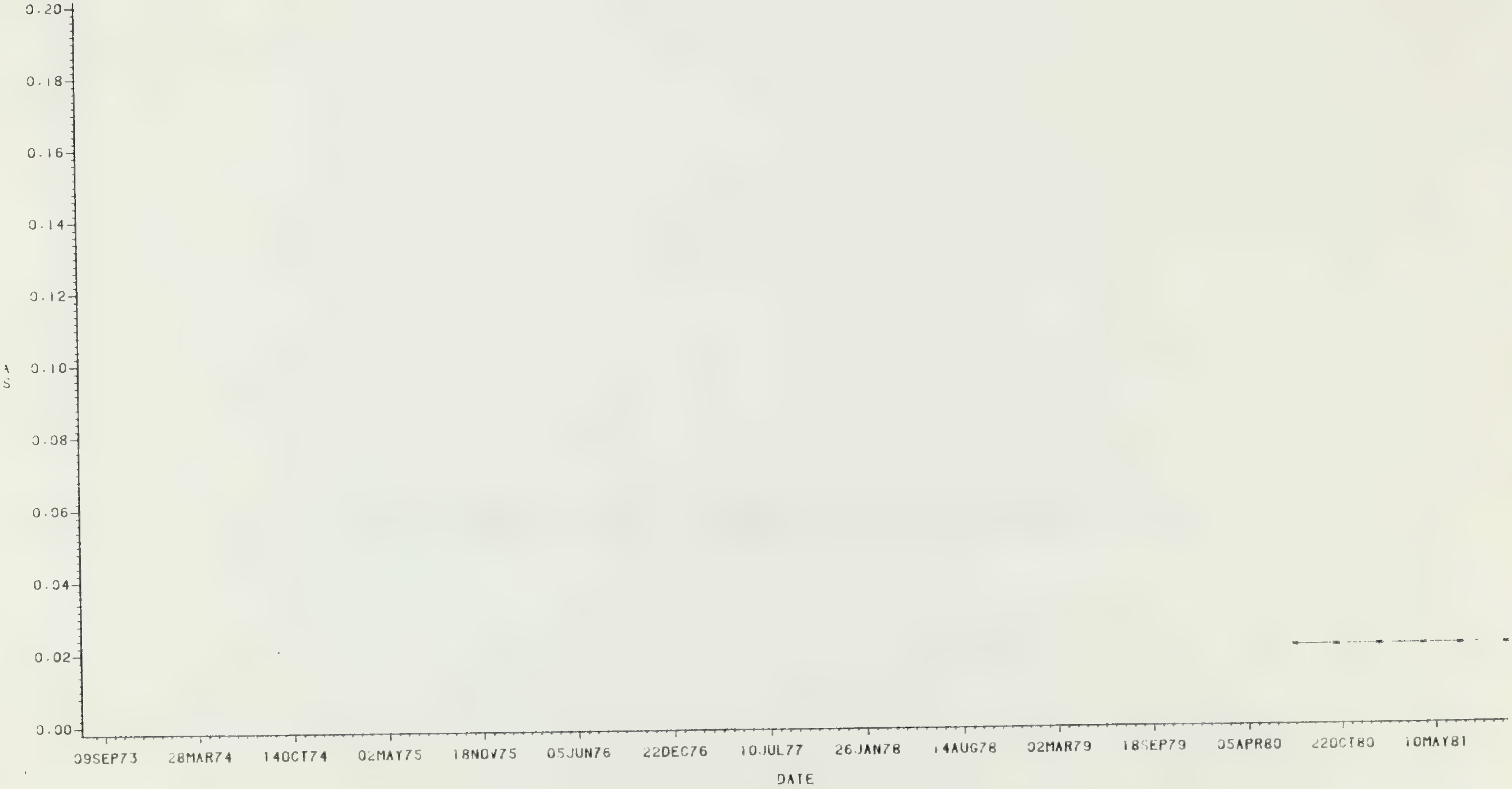
TIME SERIES PLOT OF ARSENIC FOR SPRINGS AND SEEPS

LOC=WS10



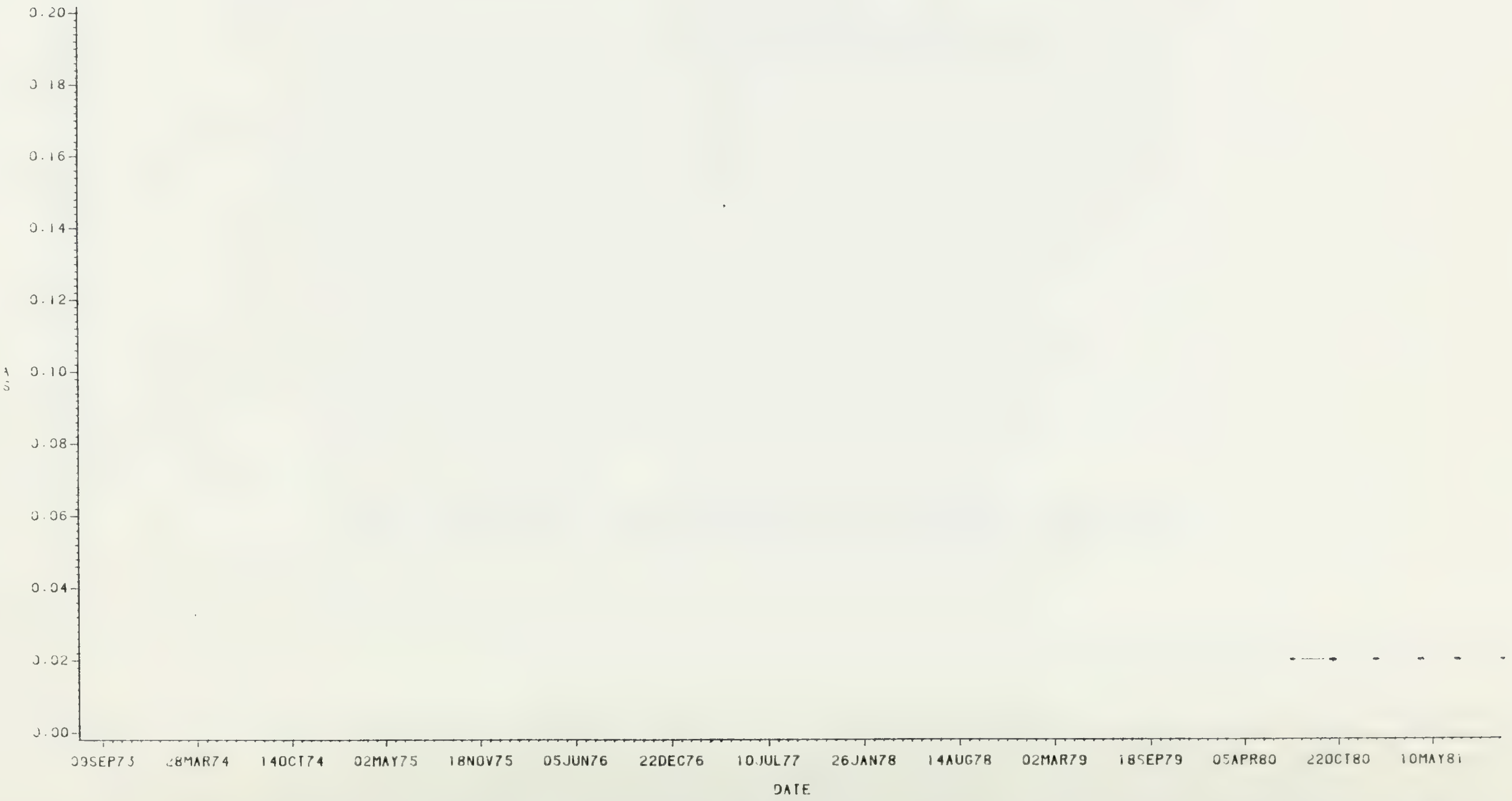
TIME SERIES PLOT OF ARSENIC FOR SPRINGS AND SEEPS

LOC=WS11



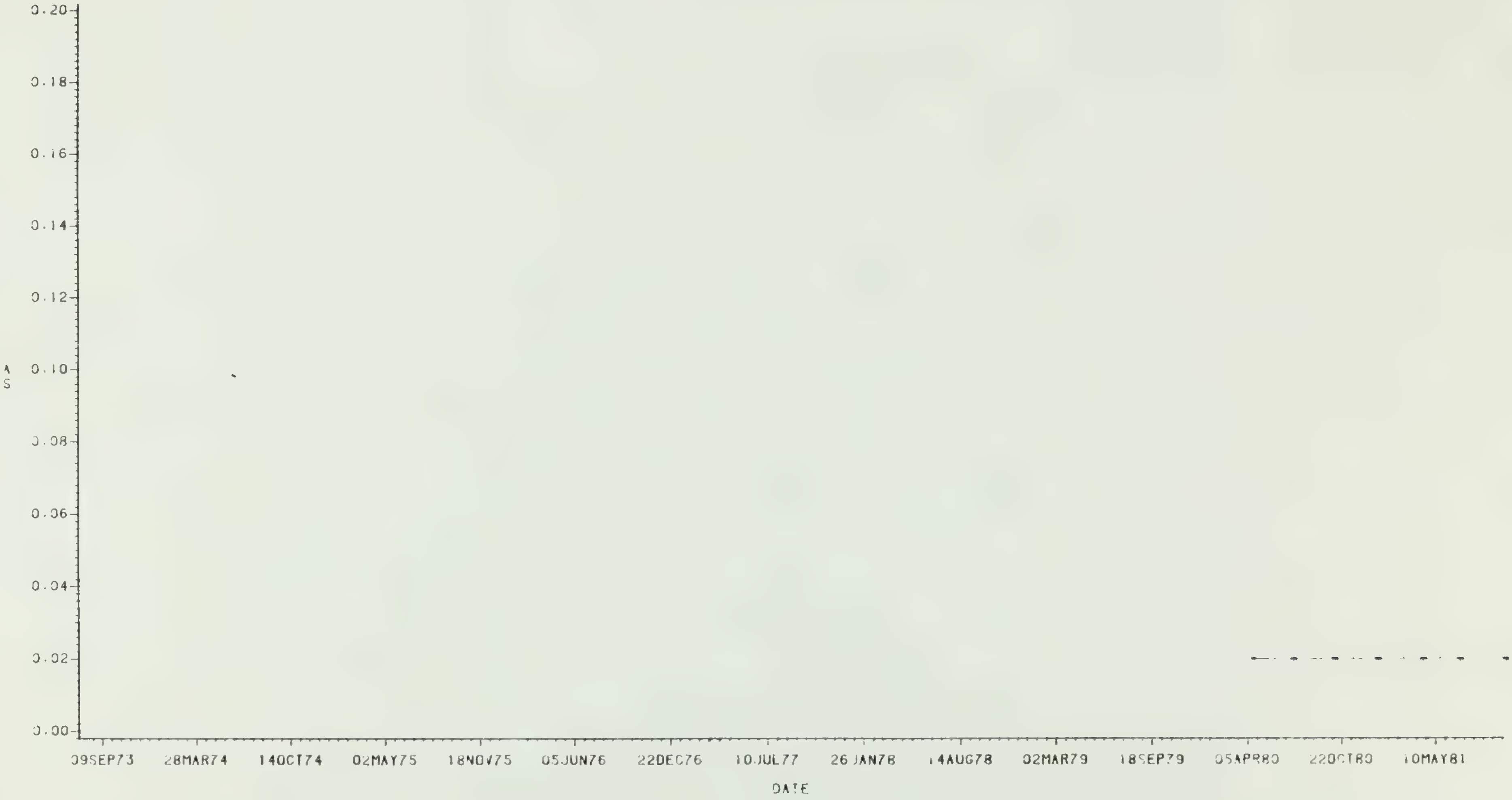
TIME SERIES PLOT OF ARSENIC FOR SPRINGS AND SEEPS

LOC=WS12



TIME SERIES PLOT OF ARSENIC FOR SPRINGS AND SEEPS

LOC=WS36



ALLUVIAL WELLS

2.2.2.3 Alluvial Wells

There were no samples taken during this report period (June 1982 through December 1982).

During this reporting period (June - December 1982) water samples remained between the 20% range for these baseline values. If a sample should have to be taken, parameters were to be analyzed as followed by the DMP quarterly schedule, Table 2.2.2.3-1

TABLE 2.2.2.3-1

Parameters Analyzed During IMP - Alluvials

Ag
As
Ba
Cd
Cr
Cu
Fe
Hg
Alkalinity
Mn
Pb
Mo
Cl
Li
Al
Sr
Se
Hardness
Zn
Na
K
Ca
Mg
Fluoride
B
Ni
Ammonia
Oil and Grease
Kjeldahl N
COD
Phenols
TDS
SO_4
CO_3
HCO_3
No

Statistics were run combining 5 water years (October 1977 - September 1982) of alluvial well water analyses. Means and standard deviations were calculated with maximum, minimum values and number of samples noted for the 5 year period. Dates for which the maximum and minimum values occurred can be referenced in the Water Quality Assurance Section 2.2.4. Water analyses tables of alluvial wells sampled since Baseline, November 1974 through December 1982 appear within the Assurance section for reasons cited in the Quality Assurance Section.

Table 2.2.2.3-2 references the following tables which list results for each parameter by alluvial well. Refer to Table 2.2.2-1 for unit measurements of these parameters.

TABLE 2.2.2.3-2

Cross Reference
Five Year Statistical Analysis - Alluvials

Computer Code	Location	Page No.
WA01	A-1	I-435
WA02	A-2	I-437
WA03	A-3	I-439
WA05	A-5	I-441
WA06	A-6	I-443
WA07	A-7	I-445
WA08	A-8	I-447
WA09	A-9	I-449
WA10	A-10	I-451
WA11	A-11	I-453
WA12	A-12	I-455
WA13	A-13	I-457
WA56	A-5B	I-459

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                5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                          1
                                                                                          14:10 THURSDAY, JANUARY 13, 1983
                                              LOC=WA01

VARIABLE    LABEL          N        MEAN      STANDARD     MINIMUM      MAXIMUM
                                              DEVIATION      VALUE        VALUE

TALK        TALK          11      570.55       111.46       360.00       826.00
AL          AL            11        0.37         0.87         0.05         3.00
ARS         ARS           11        0.02         0.00         0.02         0.02
FCOLIF      FCOLIF         4        1.00         0.00         1.00         1.00
BA          BA            11        0.53         0.09         0.50         0.80
HCO3        HCO3          11      550.55       117.16       360.00       826.00
BOD         BOD            8       22.10        51.75         1.00       150.00
B           B             11        0.24         0.14         0.04         0.56
BR          BR             4        0.59         0.33         0.10         0.80
TCOLIF      TCOLIF         3        3.00         3.46         1.00         7.00
CD          CD            11        0.02         0.01         0.01         0.04
CA          CA            11       66.73        21.29        31.00       100.00
CO3         CO3           11       20.27        27.98         1.00        70.00
CL          CL            11       23.91        12.32        16.00        59.00
CR          CR            11        0.02         0.02         0.01         0.07
COD         COD           11       15.36        18.14         1.00        50.00
CU          CU            11        0.02         0.00         0.01         0.02
DO          DO             6        4.15         0.94         2.60         5.70
DOC         DOC            5        5.78         9.66         1.00        23.00
LAS         LAS            1        0.04          .           0.04         0.04
F           F             11        0.89         0.18         0.50         1.10
HARD        HARD          11      504.55        62.83       410.00       600.00
FE          FE            11        0.15         0.22         0.02         0.50
KJN         KJN           10        0.88         1.29         0.10         4.00
PB          PB            11        0.06         0.08         0.02         0.30
LI          LI            11        0.04         0.02         0.02         0.05
MG          MG            11       82.27         8.16        65.00        94.00
MN          MN            11        0.27         0.10         0.02         0.40
HG          HG            10        0.00         0.01         0.00         0.02
MOLY        MOLY          11        0.03         0.06         0.01         0.20
NI          NI            11        0.02         0.00         0.02         0.02
NO3         NO3           11        0.35         0.20         0.10         0.60
OLGR        OLGR          11        9.82         8.48         1.00        28.00
S2O3        S2O3           2       21.45        29.06         0.90        42.00
PH          PH             9                                  7.30         8.00
K           K             11        2.58         1.41         1.60         6.30
RA          RA             4       15.00        10.30         5.00        27.00
BTR         BTR            4       31.50        37.53         1.00        82.00
RR          RR             3        1.20         0.10         1.10         1.30
SE          SE            10        0.01         0.01         0.00         0.02
AG          AG            11        0.03         0.06         0.01         0.20
NA          NA            11      254.55        15.72       220.00       280.00
TDS         TDS            6     1300.00       154.92      1200.00      1600.00
SOLS        SOLS           5     1250.00        46.90      1200.00      1300.00
SPC         SPC            6     1620.63        66.14      1490.00      1700.00
SR          SR            11        4.05         1.02         2.70         5.40
SO4         SO4           11      362.74       155.74         0.10       510.00
TEMP        TEMP           6       14.65         2.03        12.00        18.00
ZN          ZN            10        0.04         0.06         0.01         0.21
TOC         TOC            2       53.50        41.72        24.00        83.00
PHEN        PHEN          10        0.00         0.00         0.00         0.01
CYAN        CYAN           0         .            .            .            .
NH3         NH3           10        0.75         2.06         0.02         6.60
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                          2
                                                                  14:10 THURSDAY, JANUARY 13, 1983
                                        LOC=WA01

VARIABLE    LABEL          N       MEAN      STANDARD     MINIMUM      MAXIMUM
                                             DEVIATION     VALUE        VALUE

PST         PST            1       0.10          .          0.10         0.10
SIO2        SIO2           0         .           .            .            .
U           U              0         .           .            .            .
SUSS        SUSS           1       3.60          .          3.60         3.60
TH          TH             0         .           .            .            .
CS          CS             0         .           .            .            .
I           I              0         .           .            .            .
SB          SB             0         .           .            .            .
ZR          ZR             0         .           .            .            .
Y           Y              0         .           .            .            .
RB          RB             0         .           .            .            .
GE          GE             0         .           .            .            .
GA          GA             0         .           .            .            .
TI          TI             0         .           .            .            .
SC          SC             0         .           .            .            .
W           W              0         .           .            .            .
CU          CU             0         .           .            .            .
V           V              0         .           .            .            .
BE          BE             0         .           .            .            .
UH          UH             0         .           .            .            .
CH          CH             0         .           .            .            .
PA          PA             0         .           .            .            .
MA          MA             0         .           .            .            .
SCN         SCN            2       0.10        0.00         0.10         0.10
TURB        TURB           0         .           .            .            .
FF          FF             1       1.00          .          1.00         1.00
TSSF        TSSF           1       3.60          .          3.60         3.60
R228        R228           0         .           .            .            .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                       3
                                                              14:10 THURSDAY, JANUARY 13, 1983
                                      LOC=WA02

VARIABLE   LABEL        N        MEAN       STANDARD      MINIMUM      MAXIMUM
                                            DEVIATION       VALUE        VALUE

TALK       TALK         7      445.71        20.70        420.00       470.00
AL         AL           7        0.10         0.00          0.10         0.10
ARS        ARS          7        0.02         0.00          0.02         0.02
FCOLIF     FCOLIF       2        1.00         0.00          1.00         1.00
BA         BA           7        0.50         0.00          0.50         0.50
HCO3       HCO3         7      421.43        58.72        320.00       470.00
BOD        BOD          3       51.67        85.17          1.00       150.00
B          B            7        0.10         0.00          0.10         0.10
BR         BR           1        0.80          .            0.80         0.80
TCOLIF     TCOLIF       2        1.00         0.00          1.00         1.00
CD         CD           7        0.01         0.00          0.01         0.02
CA         CA           7       81.00        29.10         45.00       120.00
CO3        CO3          7       23.57        40.24          1.00       100.00
CL         CL           7       18.23        17.72          7.30        58.00
CR         CR           7        0.02         0.00          0.01         0.02
COD        COD          7       22.16        26.05          1.00        50.00
CU         CU           7        0.02         0.00          0.02         0.02
DO         DO           4        4.72         1.38          3.30         6.10
DOC        DOC          5        2.94         2.93          1.00         8.00
LAS        LAS          0         .            .             .            .
F          F            7        1.10         0.63          0.40         2.00
HARD       HARD         7      505.71        95.37        390.00       600.00
FE         FE           7        0.09         0.18          0.02         0.50
KJN        KJN          6        0.98         1.38          0.10         3.60
PB         PB           7        0.02         0.00          0.02         0.02
LI         LI           7        0.05         0.01          0.02         0.05
MG         MG           7       73.57         8.92         59.00        86.00
MN         MN           7        0.08         0.06          0.02         0.20
HG         HG           7        0.00         0.00          0.00         0.00
MOLY       MOLY         7        0.01         0.00          0.01         0.02
NI         NI           7        0.02         0.00          0.02         0.02
NO3        NO3          7        4.06         9.68          0.10        26.00
OLGR       OLGR         7       12.00        11.28          0.00        34.00
S2O3       S2O3         0         .            .             .            .
PH         PH           7                                   7.20         8.20
K          K            7        2.34         1.45          0.90         5.00
RA         RA           2        3.50         2.12          2.00         5.00
BTR        BTR          1        1.00          .            1.00         1.00
RR         RR           1        0.40          .            0.40         0.40
SE         SE           7        0.01         0.00          0.00         0.01
AG         AG           7        0.01         0.00          0.01         0.01
NA         NA           7      132.86        12.54        120.00       160.00
TDS        TDS          6      881.67        38.17        830.00       930.00
SOLS       SOLS         1      830.00          .          830.00       830.00
SPC        SPC          7     1183.86       140.37        920.00      1400.00
SR         SR           7        7.31         3.60          3.50        11.00
SO4        SO4          7      297.14        45.36        220.00       350.00
TEMP       TEMP         5       11.24         3.65          7.20        16.00
ZN         ZN           6        0.02         0.00          0.02         0.03
TOC        TOC          0         .            .             .            .
PHEN       PHEN         7        0.00         0.00          0.00         0.01
CYAN       CYAN         0         .            .             .            .
NH3        NH3          7        0.17         0.17          0.04         0.40
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                             4
                                                                  14:10 THURSDAY, JANUARY 13, 1983
                                        LOC=WA02

VARIABLE    LABEL            N        MEAN        STANDARD       MINIMUM       MAXIMUM
                                                  DEVIATION       VALUE         VALUE

PST         PST              0          .             .             .             .
SIO2        SIO2             0          .             .             .             .
U           U                0          .             .             .             .
SUSS        SUSS             1       307.00           .          307.00        307.00
TH          TH               0          .             .             .             .
CS          CS               0          .             .             .             .
I           I                0          .             .             .             .
SB          SB               0          .             .             .             .
ZR          ZR               0          .             .             .             .
Y           Y                0          .             .             .             .
RB          RB               0          .             .             .             .
GE          GE               0          .             .             .             .
GA          GA               0          .             .             .             .
TI          TI               0          .             .             .             .
SC          SC               0          .             .             .             .
W           W                0          .             .             .             .
CU          CU               0          .             .             .             .
V           V                0          .             .             .             .
BE          BE               0          .             .             .             .
UH          UH               0          .             .             .             .
CH          CH               0          .             .             .             .
PA          PA               0          .             .             .             .
MA          MA               0          .             .             .             .
SCN         SCN              2         0.10          0.00          0.10          0.10
TURB        TURB             0          .             .             .             .
FF          FF               1         0.50           .            0.50          0.50
TSSF        TSSF             1       307.00           .          307.00        307.00
R226        R226             0          .             .             .             .
```

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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                5
                                                                      14:10 THURSDAY, JANUARY 13, 1983
                                          LOC=WA03

VARIABLE   LABEL        N        MEAN       STANDARD      MINIMUM      MAXIMUM
                                            DEVIATION      VALUE        VALUE

TALK       TALK         8      509.25         68.86       450.00       674.00
AL         AL           3        0.12          0.07         0.10         0.30
ARS        ARS          8        0.02          0.00         0.02         0.02
FCOLIF     FCOLIF       3        1.00          0.00         1.00         1.00
BA         BA           8        0.50          0.00         0.50         0.50
HCO3       HCO3         8      500.50         80.86       380.00       674.00
BOD        BOD          5       34.16         64.79         2.00       150.00
B          B            8        0.10          0.04         0.04         0.20
BR         BR           2        0.75          0.21         0.60         0.90
TCOLIF     TCOLIF       3        1.33          0.58         1.00         2.00
CD         CD           8        0.01          0.01         0.01         0.02
CA         CA           8      103.50         36.89        44.00       170.00
CO3        CO3          8        9.63         24.40         1.00        70.00
CL         CL           8       21.25         17.07        11.00        61.00
CR         CR           8        0.02          0.01         0.01         0.04
COD        COD          8       25.63         21.15         1.00        50.00
CU         CU           8        0.02          0.00         0.02         0.02
DO         DO           4        4.70          1.24         3.60         6.40
DOC        DOC          3        1.33          0.58         1.00         2.00
LAS        LAS          1        0.04           .           0.04         0.04
F          F            8        0.42          0.11         0.20         0.60
HARD       HARD         8      592.50         76.11       470.00       720.00
FE         FE           8        0.14          0.22         0.02         0.50
KJN        KJN          7        0.90          1.39         0.10         4.00
PB         PB           6        0.03          0.02         0.02         0.09
LI         LI           6        0.04          0.02         0.02         0.05
MG         MG           8       77.88         10.18        60.00        92.00
MN         MN           6        0.02          0.00         0.02         0.03
HG         HG           7        0.00          0.01         0.00         0.02
MOLY       MOLY         8        0.01          0.01         0.01         0.02
NI         NI           8        0.02          0.00         0.02         0.03
NO3        NO3          8        1.27          1.24         0.10         3.40
OLGR       OLGR         8       18.25         18.90         1.00        63.00
S2O3       S2O3         1        0.90           .           0.90         0.90
PH         PH           6                                   7.20         7.60
K          K            8        2.04          1.17         1.00         4.00
RA         RA           2        6.50          3.54         4.00         9.00
BTR        BTR          1        2.00           .           2.00         2.00
RR         RR           1        0.20           .           0.20         0.20
SE         SE           7        0.01          0.01         0.00         0.02
AG         AG           6        0.02          0.02         0.01         0.06
NA         NA           8      131.88          6.51       120.00       140.00
TDS        TDS          5      998.00          4.47       990.00      1000.00
SOLS       SOLS         3      940.00         34.64       920.00       980.00
SPC        SPC          6     1231.67         75.48      1110.00      1300.00
SR         SR           8        5.37          1.11         3.70         6.90
SO4        SO4          8      346.63         60.47       220.00       430.00
TEMP       TEMP         5       12.16          2.21        10.00        15.00
ZN         ZN           7        0.02          0.00         0.02         0.03
TOC        TOC          1       59.00           .          59.00        59.00
PHEN       PHEN         7        0.01          0.02         0.00         0.05
CYAN       CYAN         0         .             .            .            .
NH3        NH3          7        0.12          0.14         0.04         0.40
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          5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                    6
                                                                                     14:10 THURSDAY, JANUARY 13, 1983
                                             LOC=WA03

VARIABLE    LABEL              N        MEAN        STANDARD       MINIMUM       MAXIMUM
                                                    DEVIATION       VALUE         VALUE

PST         PST                0          .             .             .             .
SIO2        SIO2               0          .             .             .             .
U           U                  0          .             .             .             .
SUSS        SUSS               0          .             .             .             .
TH          TH                 0          .             .             .             .
CS          CS                 0          .             .             .             .
I           I                  0          .             .             .             .
SB          SB                 0          .             .             .             .
ZR          ZR                 0          .             .             .             .
Y           Y                  0          .             .             .             .
RB          RB                 0          .             .             .             .
GE          GE                 0          .             .             .             .
GA          GA                 0          .             .             .             .
TI          TI                 0          .             .             .             .
SC          SC                 0          .             .             .             .
W           W                  0          .             .             .             .
CO          CO                 0          .             .             .             .
V           V                  0          .             .             .             .
BE          BE                 0          .             .             .             .
OH          OH                 0          .             .             .             .
CH          CH                 0          .             .             .             .
PA          PA                 0          .             .             .             .
MA          MA                 0          .             .             .             .
SCN         SCN                2        0.55          0.64          0.10          1.00
TURB        TURB               0          .             .             .             .
FF          FF                 0          .             .             .             .
TSSF        TSSF               0          .             .             .             .
R228        R228               0          .             .             .             .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                         7
                                                                   14:10 THURSDAY, JANUARY 13, 1983
                                  LOC=WA05

VARIABLE    LABEL          N        MEAN       STANDARD      MINIMUM       MAXIMUM
                                               DEVIATION      VALUE         VALUE

TALK        TALK           6       555.50       78.27        470.00        703.00
AL          AL             6         0.10        0.00          0.10          0.10
ARS         ARS            6         0.02        0.00          0.02          0.02
FCOLIF      FCOLIF         2         1.00        0.00          1.00          1.00
BA          BA             6         0.58        0.20          0.50          1.00
HCO3        HCO3           6       555.50       78.27        470.00        703.00
BOD         BOD            3        52.33       84.62          1.00        150.00
B           B              6         0.15        0.06          0.08          0.20
BR          BR             1         0.80         .            0.80          0.80
TCOLIF      TCOLIF         2         1.00        0.00          1.00          1.00
CD          CD             6         0.01        0.00          0.01          0.02
CA          CA             6        89.67       27.28         52.00        130.00
CO3         CO3            6         1.00        0.00          1.00          1.00
CL          CL             6        24.83       20.61         13.00         65.00
CR          CR             6         0.02        0.00          0.01          0.02
COD         COD            6        33.67       26.39          8.00         70.00
CU          CU             6         0.02        0.00          0.01          0.02
DO          DO             4         5.07        2.33          2.30          7.20
DOC         DOC            3         1.93        0.90          1.00          2.80
LAS         LAS            0          .           .             .             .
F           F              6         0.55        0.10          0.40          0.70
HARD        HARD           6       503.33       71.18        390.00        580.00
FE          FE             6         0.03        0.02          0.02          0.08
KJN         KJN            6         0.17        0.16          0.10          0.50
PB          PB             6         0.02        0.01          0.02          0.05
LI          LI             6         0.05        0.00          0.04          0.05
MG          MG             6        67.33        7.74         58.00         78.00
MN          MN             6         0.03        0.01          0.02          0.04
HG          HG             5         0.00        0.01          0.00          0.02
MOLY        MOLY           6         0.01        0.01          0.01          0.02
NI          NI             6         0.02        0.01          0.02          0.04
NO3         NO3            6         3.92        6.17          0.10         16.00
OLGR        OLGR           6         9.17        3.37          4.00         14.00
S2O3        S2O3           0                                    .             .
PH          PH             6         7.68        0.42          7.20          8.20
K           K              6         3.35        1.46          1.90          5.80
RA          RA             1         3.00         .            3.00          3.00
BTR         BTR            2         3.50        3.54          1.00          6.00
RR          RR             1         0.60         .            0.60          0.60
SE          SE             5         0.01        0.00          0.01          0.02
AG          AG             6         0.02        0.03          0.01          0.08
NA          NA             6       156.83        8.26        150.00        170.00
TDS         TDS            5       954.00       25.10        920.00        990.00
SOLS        SOLS           1       867.00         .          867.00        867.00
SPC         SPC            6      1210.00      101.19       1030.00       1340.00
SR          SR             6         3.22        0.87          2.20          4.40
SO4         SO4            6       270.17       47.25        200.00        320.00
TEMP        TEMP           5        13.74        4.60          9.00         21.00
ZN          ZN             6         0.02        0.01          0.01          0.03
TOC         TOC            0          .           .             .             .
PHEN        PHEN           5         0.00        0.00          0.00          0.00
CYAN        CYAN           0          .           .             .             .
NH3         NH3            5         0.04        0.00          0.04          0.04
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                5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                              8
                                                                                     14:10 THURSDAY, JANUARY 13, 1983
                                              LOC=WA05

VARIABLE  LABEL          N         MEAN          STANDARD          MINIMUM          MAXIMUM
                                                 DEVIATION          VALUE            VALUE

PST       PST            0           .               .                .                .
SIO2      SIO2           0           .               .                .                .
U         U              0           .               .                .                .
SUSS      SUSS           0           .               .                .                .
TH        TH             0           .               .                .                .
CS        CS             0           .               .                .                .
I         I              0           .               .                .                .
SB        SB             0           .               .                .                .
ZR        ZR             0           .               .                .                .
Y         Y              0           .               .                .                .
RB        RB             0           .               .                .                .
GE        GE             0           .               .                .                .
GA        GA             0           .               .                .                .
TI        TI             0           .               .                .                .
SC        SC             0           .               .                .                .
W         W              0           .               .                .                .
CO        CO             0           .               .                .                .
V         V              0           .               .                .                .
BE        BE             0           .               .                .                .
OH        OH             0           .               .                .                .
CH        CH             0           .               .                .                .
PA        PA             0           .               .                .                .
MA        MA             0           .               .                .                .
SCN       SCN            2         0.10            0.00             0.10             0.10
TURB      TURB           0           .               .                .                .
FF        FF             0           .               .                .                .
TSSF      TSSF           0           .               .                .                .
R228      R228           0           .               .                .                .
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         5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                         9
                                                                      14:10 THURSDAY, JANUARY 13, 1983
                                   LOC=WA06

VARIABLE   LABEL         N       MEAN      STANDARD      MINIMUM      MAXIMUM
                                           DEVIATION      VALUE        VALUE

TALK       TALK          8      568.75       76.43        510.00       750.00
AL         AL            6        0.10        0.00          0.10         0.10
ARS        ARS           5        0.02        0.00          0.02         0.02
FCOLIF     FCOLIF        3        1.00        0.00          1.00         1.00
BA         BA            8        0.52        0.07          0.50         0.70
HCO3       HCO3          8      552.63       84.28        460.00       741.00
BOD        BOD           4       40.50       73.04          1.00       150.00
B          B             8        0.16        0.05          0.10         0.20
BR         BR            2        0.60        0.14          0.50         0.70
TCOLIF     TCOLIF        3        1.00        0.00          1.00         1.00
CD         CD            8        0.01        0.01          0.01         0.02
CA         CA            8       75.50       25.87         41.00       120.00
CO3        CO3           8       16.75       26.84          1.00        60.00
CL         CL            8       22.63       14.46         13.00        57.00
CR         CR            6        0.02        0.00          0.01         0.02
COD        COD           8       20.90       20.77          1.00        50.00
CU         CU            6        0.02        0.00          0.02         0.03
DO         DO            5        4.42        1.85          2.80         6.80
DOC        DOC           3        2.07        1.10          1.00         3.20
LAS        LAS           1        0.04         .            0.04         0.04
F          F             8        0.49        0.07          0.40         0.60
HARD       HARD          8      490.00       58.06        390.00       580.00
FE         FE            5        0.14        0.22          0.02         0.50
KJN        KJN           7        0.71        1.45          0.10         4.00
PB         PB            6        0.03        0.03          0.02         0.10
LI         LI            8        0.04        0.01          0.02         0.05
MG         MG            8       68.13        6.66         53.00        74.00
MN         MN            6        0.09        0.02          0.06         0.10
HG         HG            6        0.01        0.01          0.00         0.02
MOLY       MOLY          6        0.01        0.01          0.01         0.02
NI         NI            8        0.02        0.01          0.02         0.05
NO3        NO3           8        0.90        0.72          0.10         1.90
OLGR       OLGR          8       13.20       15.53          2.00        50.00
S2O3       S2O3          1        0.90         .            0.90         0.90
PH         PH            6                                  7.30         8.20
K          K             8        2.57        1.38          1.70         5.80
RA         RA            3        7.70       11.56          0.10        21.00
BTR        BTR           2        3.00        1.41          2.00         4.00
RR         RR            1        0.50         .            0.50         0.50
SE         SE            6        0.01        0.01          0.01         0.02
AG         AG            6        0.02        0.03          0.01         0.10
NA         NA            8      166.75       10.08        160.00       184.00
TDS        TDS           5      942.00       30.33        910.00       990.00
SOLS       SOLS          3      972.00       37.04        930.00      1000.00
SPC        SPC           6     1224.17      116.64       1055.00      1400.00
SR         SR            8        3.69        1.09          2.20         5.00
SO4        SO4           8      267.25       43.99        210.00       350.00
TEMP       TEMP          6       12.17        6.76          0.10        21.00
ZN         ZN            7        0.02        0.01          0.01         0.03
TOC        TOC           1       69.00         .           69.00        69.00
PHEN       PHEN          7        0.01        0.02          0.00         0.05
CYAN       CYAN          0         .           .             .            .
NH3        NH3           7        0.08        0.10          0.04         0.30
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                    10
                                                          14:10 THURSDAY, JANUARY 13, 1983
                                 LOC=WA06

VARIABLE   LABEL          N       MEAN       STANDARD      MINIMUM      MAXIMUM
                                             DEVIATION      VALUE        VALUE

PST        PST            0         .            .            .            .
SIO2       SIO2           0         .            .            .            .
U          U              0         .            .            .            .
SUSS       SUSS           0         .            .            .            .
TH         TH             0         .            .            .            .
CS         CS             0         .            .            .            .
I          I              0         .            .            .            .
SB         SB             0         .            .            .            .
ZR         ZR             0         .            .            .            .
Y          Y              0         .            .            .            .
RB         RB             0         .            .            .            .
GE         GE             0         .            .            .            .
GA         GA             0         .            .            .            .
TI         TI             0         .            .            .            .
SC         SC             0         .            .            .            .
W          W              0         .            .            .            .
CO         CO             0         .            .            .            .
V          V              0         .            .            .            .
BE         BE             0         .            .            .            .
OH         OH             0         .            .            .            .
CH         CH             0         .            .            .            .
PA         PA             0         .            .            .            .
MA         MA             0         .            .            .            .
SCN        SCN            2       0.10         0.00         0.10         0.10
TURB       TURB           0         .            .            .            .
FF         FF             0         .            .            .            .
TSSF       TSSF           0         .            .            .            .
R228       R228           0         .            .            .            .
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                 5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                11
                                                                                       14:10 THURSDAY, JANUARY 13, 1983
                                               LOC=WA07

VARIABLE    LABEL         N       MEAN       STANDARD      MINIMUM       MAXIMUM
                                             DEVIATION      VALUE         VALUE

TALK        TALK          5     402.00        95.24        310.00        560.00
AL          AL            5       0.10         0.00          0.10          0.10
ARS         ARS           5       0.02         0.00          0.02          0.02
FCOLIF      FCOLIF        1       1.00          .            1.00          1.00
BA          BA            5       0.50         0.00          0.50          0.50
HCO3        HCO3          5     390.00       112.03        250.00        560.00
BOD         BOD           3      52.90        84.09          4.00        150.00
B           B             5       0.12         0.08          0.04          0.20
BR          BR            1       1.00          .            1.00          1.00
TCOLIF      TCOLIF        1       4.00          .            4.00          4.00
CD          CD            5       0.01         0.01          0.01          0.02
CA          CA            5      70.40        29.07         30.00        110.00
CO3         CO3           5      12.80        26.39          1.00         60.00
CL          CL            5      16.00         1.58         14.00         18.00
CR          CR            5       0.02         0.00          0.02          0.02
COD         COD           5      26.12        22.11          6.00         50.00
CU          CU            5       0.02         0.00          0.02          0.02
DO          DO            4       6.30         0.42          5.90          6.80
DOC         DOC           1       5.00          .            5.00          5.00
LAS         LAS           0        .            .             .             .
F           F             5       0.20         0.07          0.10          0.30
HARD        HARD          5     412.00        80.75        320.00        500.00
FE          FE            5       0.12         0.21          0.02          0.50
KJN         KJN           5       0.50         0.79          0.10          1.90
PB          PB            5       0.04         0.03          0.02          0.10
LI          LI            5       0.04         0.02          0.02          0.05
MG          MG            5      47.80         8.76         37.00         56.00
MN          MN            5       0.03         0.01          0.02          0.05
HG          HG            3       0.00         0.00          0.00          0.00
MOLY        MOLY          5       0.01         0.01          0.01          0.02
NI          NI            5       0.02         0.00          0.02          0.02
NO3         NO3           5       3.36         3.96          0.10          8.90
OLGR        OLGR          5      15.00         9.25          9.00         31.00
S2O3        S2O3          0        .            .             .             .
PH          PH            4                                  7.40          8.50
K           K             5       1.90         1.32          1.10          4.20
RA          RA            1       2.00          .            2.00          2.00
BTR         BTR           1       2.00          .            2.00          2.00
RR          RR            1       0.40          .            0.40          0.40
SE          SE            3       0.01         0.00          0.01          0.01
AG          AG            5       0.03         0.04          0.00          0.10
NA          NA            5     133.20         8.44        120.00        140.00
TDS         TDS           3     763.33        56.86        700.00        810.00
SOLS        SOLS          2     752.00        59.40        710.00        794.00
SPC         SPC           4    1112.50       133.76        970.00       1280.00
SR          SR            5       3.66         0.77          2.80          4.70
SO4         SO4           5     236.60        66.28        130.00        313.00
TEMP        TEMP          3      15.20         5.30         10.60         21.00
ZN          ZN            4       0.02         0.00          0.02          0.02
TOC         TOC           0        .            .             .             .
PHEN        PHEN          4       0.01         0.01          0.00          0.03
CYAN        CYAN          0        .            .             .             .
NH3         NH3           4       0.05         0.02          0.04          0.08
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                          12
                                                                    14:10 THURSDAY, JANUARY 13, 1983
                                 LOC=WA07

VARIABLE   LABEL          N        MEAN       STANDARD      MINIMUM      MAXIMUM
                                              DEVIATION      VALUE        VALUE

PST        PST            0         .            .             .            .
SIO2       SIO2           0         .            .             .            .
U          U              0         .            .             .            .
SUSS       SUSS           0         .            .             .            .
TH         TH             0         .            .             .            .
CS         CS             0         .            .             .            .
I          I              0         .            .             .            .
SB         SB             0         .            .             .            .
ZR         ZR             0         .            .             .            .
Y          Y              0         .            .             .            .
RB         RB             0         .            .             .            .
GE         GE             0         .            .             .            .
GA         GA             0         .            .             .            .
TI         TI             0         .            .             .            .
SC         SC             0         .            .             .            .
W          W              0         .            .             .            .
CU         CU             0         .            .             .            .
V          V              0         .            .             .            .
BE         BE             0         .            .             .            .
OH         OH             0         .            .             .            .
CH         CH             0         .            .             .            .
PA         PA             0         .            .             .            .
MA         MA             0         .            .             .            .
SCN        SCN            2        0.10         0.00          0.10         0.10
TURB       TURB           0         .            .             .            .
FF         FF             0         .            .             .            .
TSSF       TSSF           0         .            .             .            .
R228       R228           0         .            .             .            .
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    5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                            13
                                                                        14:10 THURSDAY, JANUARY 13, 1983
                                      LOC=WA08

VARIABLE   LABEL          N       MEAN       STANDARD      MINIMUM      MAXIMUM
                                             DEVIATION     VALUE        VALUE

TALK       TALK           7      431.43       91.00        260.00       560.00
AL         AL             7        0.31        0.53          0.05         1.50
ARS        ARS            7        0.02        0.00          0.02         0.02
FCOLIF     FCOLIF         4        1.00        0.00          1.00         1.00
BA         BA             7        0.50        0.00          0.50         0.50
HCO3       HCO3           7      429.43       88.47        260.00       551.00
BOD        BOD            5       32.80       65.53          1.00       150.00
B          B              7        0.08        0.03          0.04         0.10
BR         BR             3        0.73        0.15          0.60         0.90
TCOLIF     TCOLIF         3        1.00        0.00          1.00         1.00
CD         CD             7        0.03        0.03          0.01         0.10
CA         CA             7       95.29       28.50         54.00       150.00
CO3        CO3            7        3.14        3.67          1.00         9.00
CL         CL             7       15.81       22.63          6.00        67.00
CR         CR             7        0.02        0.01          0.02         0.04
COD        COD            7       29.43       22.97          8.00        60.00
CU         CU             7        0.02        0.00          0.02         0.02
DO         DO             6        6.87        1.82          5.80        10.50
DOC        DOC            5        8.70       16.94          1.00        39.00
LAS        LAS            1        1.00         .            1.00         1.00
F          F              7        0.26        0.10          0.10         0.40
HARD       HARD           7      561.43       36.71        520.00       620.00
FE         FE             7        0.11        0.18          0.02         0.50
KJN        KJN            7        0.31        0.32          0.10         1.00
PB         PB             7        0.04        0.03          0.02         0.10
LI         LI             7        0.04        0.02          0.01         0.05
MG         MG             7       75.14        8.45         60.00        84.00
MN         MN             7        0.04        0.03          0.02         0.10
HG         HG             5        0.00        0.01          0.00         0.02
MOLY       MOLY           7        0.02        0.03          0.01         0.08
NI         NI             7        0.02        0.00          0.02         0.02
NO3        NO3            7        4.43        4.23          0.90        13.30
OLGR       OLGR           7       11.43        4.24          9.00        21.00
S2O3       S2O3           1        1.00         .            1.00         1.00
PH         PH             8                                  7.40         8.30
K          K              7        2.57        1.17          1.80         5.00
RA         RA             2        2.45        0.78          1.90         3.00
BTR        BTR            3       14.33        9.50          5.00        24.00
RR         RR             2        0.75        0.35          0.50         1.00
SE         SE             5        0.01        0.01          0.00         0.02
AG         AG             7        0.03        0.03          0.01         0.10
NA         NA             7      122.14       18.17         88.00       140.00
TDS        TDS            4      900.00       64.81        810.00       960.00
SOLS       SOLS           3      970.00       30.00        940.00      1000.00
SPC        SPC            7     1121.43      141.24        870.00      1300.00
SR         SR             7        3.51        1.04          2.30         5.00
SO4        SO4            7      369.43       71.20        230.00       440.00
TEMP       TEMP           7       12.14        5.30          5.50        21.00
ZN         ZN             7        0.02        0.01          0.01         0.04
TOC        TOC            1        1.00         .            1.00         1.00
PHEN       PHEN           5        0.00        0.00          0.00         0.00
CYAN       CYAN           0          .           .             .            .
NH3        NH3            6        0.68        1.53          0.04         3.80
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                 14
                                                          14:10 THURSDAY, JANUARY 13, 1983
                                    LOC=WA08

VARIABLE   LABEL          N        MEAN       STANDARD      MINIMUM      MAXIMUM
                                              DEVIATION      VALUE        VALUE

PST        PST            0         .             .            .            .
SIO2       SIO2           0         .             .            .            .
U          U              0         .             .            .            .
SUSS       SUSS           0         .             .            .            .
TH         TH             0         .             .            .            .
CS         CS             0         .             .            .            .
I          I              0         .             .            .            .
SB         SB             0         .             .            .            .
ZR         ZR             0         .             .            .            .
Y          Y              0         .             .            .            .
RB         RB             0         .             .            .            .
GE         GE             0         .             .            .            .
GA         GA             0         .             .            .            .
TI         TI             0         .             .            .            .
SC         SC             0         .             .            .            .
W          W              0         .             .            .            .
CO         CO             0         .             .            .            .
V          V              0         .             .            .            .
BE         BE             0         .             .            .            .
OH         OH             0         .             .            .            .
CH         CH             0         .             .            .            .
PA         PA             0         .             .            .            .
MA         MA             0         .             .            .            .
SCN        SCN            2        0.10          0.00         0.10         0.10
TURB       TURB           0         .             .            .            .
FF         FF             0         .             .            .            .
TSSF       TSSF           0         .             .            .            .
R228       R228           0         .             .            .            .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)
                                                              14:10 THURSDAY, JANUARY 13, 1983
                                   LOC=WA09

VARIABLE  LABEL         N       MEAN     STANDARD      MINIMUM      MAXIMUM
                                         DEVIATION       VALUE        VALUE

TALK      TALK         10     392.50        35.06       340.00       465.00
AL        AL           10       0.21         0.23         0.10         0.70
ARS       ARS          10       0.02         0.00         0.02         0.02
FCOLIF    FCOLIF        4       1.00         0.00         1.00         1.00
BA        BA           10       0.60         0.32         0.50         1.50
HCO3      HCO3         10     385.50        40.03       330.00       465.00
BOD       BOD           7      31.14        55.22         1.00       150.00
B         B            10       0.19         0.32         0.04         1.10
BR        BR            4       0.52         0.33         0.10         0.90
TCOLIF    TCOLIF        3       5.00         3.61         1.00         8.00
CD        CD           10       0.01         0.01         0.01         0.02
CA        CA           10      83.10        27.61        45.00       140.00
CO3       CO3          10       7.70        21.19         1.00        68.00
CL        CL           10      14.06        17.29         5.80        62.00
CR        CR           10       0.02         0.00         0.01         0.02
COD       COD          10      19.80        22.11         1.00        50.00
CU        CU           10       0.02         0.01         0.01         0.06
DO        DO            7       8.03         1.99         5.30        11.20
DOC       DOC           5       8.20        12.44         1.00        30.00
LAS       LAS           1       0.05          .           0.05         0.05
F         F            10       0.20         0.05         0.10         0.30
HARD      HARD         10     496.00        79.47       360.00       600.00
FE        FE           10       0.12         0.20         0.02         0.50
KJN       KJN          10       0.83         1.60         0.07         5.00
PB        PB           10       0.03         0.03         0.02         0.10
LI        LI           10       0.04         0.01         0.02         0.05
MG        MG           10      63.28        22.00         6.80        90.00
MN        MN           10       0.03         0.02         0.02         0.08
HG        HG            8       0.01         0.01         0.00         0.02
MOLY      MOLY         10       0.01         0.01         0.01         0.02
NI        NI           10       0.02         0.01         0.02         0.06
NO3       NO3          10       4.03         2.36         0.10         8.10
OLGR      OLGR         10      11.90         9.28         1.00        35.00
S2O3      S2O3          1       1.00          .           1.00         1.00
PH        PH            9                                 7.40         8.00
K         K            10       1.96         1.07         0.80         3.80
RA        RA            3      67.03       106.52         3.00       190.00
BTR       BTR           5       5.80         6.94         2.00        18.00
RR        RR            2       1.50         1.41         0.50         2.50
SE        SE            6       0.01         0.01         0.01         0.02
AG        AG           10       0.03         0.03         0.01         0.10
NA        NA           10     112.30        14.85        99.00       150.00
TDS       TDS           6     875.00       161.59       770.00      1200.00
SOLS      SOLS          4     897.75       110.48       771.00      1000.00
SPC       SPC           8    1069.38       151.81       795.00      1300.00
SR        SR           10       4.01         1.20         2.60         6.00
SO4       SO4          10     313.70        96.39       140.00       450.00
TEMP      TEMP          8      12.66         6.96         0.10        21.00
ZN        ZN           10       0.05         0.09         0.01         0.30
TOC       TOC           1      65.00          .          65.00        65.00
PHEN      PHEN          8       0.00         0.00         0.00         0.00
CYAN      CYAN          0        .            .            .            .
NH3       NH3           9       0.08         0.09         0.04         0.25
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               5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                        16
                                                                              14:10 THURSDAY, JANUARY 13, 1983
                                               LOC=WA09

VARIABLE    LABEL              N         MEAN         STANDARD       MINIMUM       MAXIMUM
                                                      DEVIATION       VALUE         VALUE

PST         PST                0          .              .             .             .
SI02        SI02               0          .              .             .             .
U           U                  0          .              .             .             .
SUSS        SUSS               0          .              .             .             .
TH          TH                 0          .              .             .             .
CS          CS                 0          .              .             .             .
I           I                  0          .              .             .             .
SB          SB                 0          .              .             .             .
ZR          ZR                 0          .              .             .             .
Y           Y                  0          .              .             .             .
RB          RB                 0          .              .             .             .
GE          GE                 0          .              .             .             .
GA          GA                 0          .              .             .             .
TI          TI                 0          .              .             .             .
SC          SC                 0          .              .             .             .
W           W                  0          .              .             .             .
CO          CO                 0          .              .             .             .
V           V                  0          .              .             .             .
BE          BE                 0          .              .             .             .
OH          OH                 0          .              .             .             .
CH          CH                 0          .              .             .             .
PA          PA                 0          .              .             .             .
MA          MA                 0          .              .             .             .
SCN         SCN                2         0.10           0.00          0.10          0.10
TURB        TURB               0          .              .             .             .
FF          FF                 1         0.30            .            0.30          0.30
TSSF        TSSF               0          .              .             .             .
R228        R228               0          .              .             .             .
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           5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                     17
                                                                                          14:10 THURSDAY, JANUARY 13, 1983
                                              LOC=WA10

VARIABLE   LABEL             N        MEAN        STANDARD       MINIMUM        MAXIMUM
                                                  DEVIATION      VALUE          VALUE

TALK       TALK              3      500.33          46.26        450.00         541.00
AL         AL                3        0.08           0.03          0.05           0.10
ARS        ARS               3        0.02           0.00          0.02           0.02
FCOLIF     FCOLIF            2        1.00           0.00          1.00           1.00
BA         BA                3        0.67           0.29          0.50           1.00
HCO3       HCO3              3      490.33          62.85        420.00         541.00
BOD        BOD               3        3.27           2.05          1.00           5.00
B          B                 3        0.06           0.03          0.04           0.09
BR         BR                2        0.69           0.27          0.50           0.88
TCOLIF     TCOLIF            0         .              .             .              .
CD         CD                3        0.03           0.01          0.02           0.04
CA         CA                3       82.00          33.42         45.00         110.00
CO3        CO3               3       10.67          16.74          1.00          30.00
CL         CL                3        6.67           1.61          5.50           8.50
CR         CR                3        0.02           0.01          0.01           0.02
COD        COD               3       20.00          10.58          8.00          28.00
CU         CU                3        0.02           0.00          0.02           0.02
DO         DO                3        8.00           1.18          6.70           9.00
DOC        DOC               2       28.00          12.73         19.00          37.00
LAS        LAS               0         .              .             .              .
F          F                 3        0.30           0.00          0.30           0.30
HARD       HARD              3      516.67          66.58        460.00         590.00
FE         FE                3        0.20           0.26          0.03           0.50
KJN        KJN               2        0.65           0.35          0.40           0.90
PB         PB                3        0.06           0.03          0.04           0.10
LI         LI                3        0.02           0.00          0.02           0.02
MG         MG                3       75.33           3.51         72.00          79.00
MN         MN                3        0.04           0.03          0.02           0.07
HG         HG                1        0.02            .            0.02           0.02
MOLY       MOLY              3        0.02           0.00          0.02           0.02
NI         NI                3        0.02           0.00          0.02           0.02
NO3        NO3               3        5.23           1.07          4.00           5.90
OLGR       OLGR              3       23.33          15.89          5.00          33.00
S2O3       S2O3              1       29.00            .           29.00          29.00
PH         PH                3                                    7.50           7.70
K          K                 3        1.73           0.31          1.40           2.00
RA         RA                0         .              .             .              .
BTR        BTR               2        6.50           7.78          1.00          12.00
RR         RR                0         .              .             .              .
SE         SE                1        0.03            .            0.03           0.03
AG         AG                2        0.08           0.03          0.06           0.10
NA         NA                3      130.67          11.02        120.00         142.00
TDS        TDS               0         .              .             .              .
SOLS       SOLS              3      967.67          33.56        933.00        1000.00
SPC        SPC               2     1350.00          70.71       1300.00        1400.00
SR         SR                3        3.83           1.26          2.50           5.00
SO4        SO4               3      365.67          36.14        340.00         407.00
TEMP       TEMP              3       15.67           5.51         10.00          21.00
ZN         ZN                3        0.03           0.02          0.02           0.06
TOC        TOC               1       21.00            .           21.00          21.00
PHEN       PHEN              1        0.02            .            0.02           0.02
CYAN       CYAN              0         .              .             .              .
NH3        NH3               2        0.52           0.68          0.04           1.00
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                5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                    18
                                                                                        14:10 THURSDAY, JANUARY 13, 1983
                                                LOC=WA10

VARIABLE    LABEL              N          MEAN          STANDARD        MINIMUM         MAXIMUM
                                                        DEVIATION        VALUE           VALUE

PST         PST                0            .               .              .               .
SIO2        SIO2               0            .               .              .               .
U           U                  0            .               .              .               .
SUSS        SUSS               0            .               .              .               .
TH          TH                 0            .               .              .               .
CS          CS                 0            .               .              .               .
I           I                  0            .               .              .               .
SB          SB                 0            .               .              .               .
ZR          ZR                 0            .               .              .               .
Y           Y                  0            .               .              .               .
RB          RB                 0            .               .              .               .
GE          GE                 0            .               .              .               .
GA          GA                 0            .               .              .               .
TI          TI                 0            .               .              .               .
SC          SC                 0            .               .              .               .
W           W                  0            .               .              .               .
CO          CO                 0            .               .              .               .
V           V                  0            .               .              .               .
BE          BE                 0            .               .              .               .
OH          OH                 0            .               .              .               .
CH          CH                 0            .               .              .               .
PA          PA                 0            .               .              .               .
MA          MA                 0            .               .              .               .
SCN         SCN                0            .               .              .               .
TURB        TURB               0            .               .              .               .
FF          FF                 0            .               .              .               .
TSSF        TSSF               0            .               .              .               .
R228        R228               0            .               .              .               .
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                                   LOC=WALL

VARIABLE    LABEL          N       MEAN        STANDARD       MINIMUM       MAXIMUM
                                               DEVIATION       VALUE         VALUE

TALK        TALK           4      465.50         55.27        420.00        532.00
AL          AL             4        0.41          0.49          0.04          1.10
ARS         ARS            4        0.02          0.00          0.02          0.02
FCOLIF      FCOLIF         3        1.00          0.00          1.00          1.00
BA          BA             4        0.50          0.00          0.50          0.50
HCO3        HCO3           4      465.50         55.27        420.00        532.00
BOD         BOD            4        9.50         13.72          1.00         30.00
B           B              4        0.17          0.26          0.04          0.56
BR          BR             3        0.74          0.12          0.60          0.82
TCOLIF      TCOLIF         1        1.00           .            1.00          1.00
CD          CD             4        0.02          0.00          0.02          0.02
CA          CA             4       72.25         18.84         45.00         88.00
CO3         CO3            4        1.00          0.00          1.00          1.00
CL          CL             4       13.25          8.54          8.00         26.00
CR          CR             4        0.02          0.01          0.02          0.04
COD         COD            4        6.25          2.63          4.00          9.00
CU          CU             4        0.02          0.00          0.02          0.02
DO          DO             3        7.63          1.03          6.50          8.50
DOC         DOC            2       26.00         18.38         13.00         39.00
LAS         LAS            1        0.05           .            0.05          0.05
F           F              4        0.20          0.00          0.20          0.21
HARD        HARD           4      567.50         75.00        480.00        630.00
FE          FE             4        0.28          0.26          0.02          0.50
KJN         KJN            4        1.23          1.85          0.10          4.00
PB          PB             4        0.09          0.08          0.02          0.20
LI          LI             4        0.02          0.01          0.02          0.04
MG          MG             4       88.00         16.08         64.00         98.00
MN          MN             4        0.03          0.02          0.02          0.07
HG          HG             2        0.02          0.00          0.02          0.02
MOLY        MOLY           4        0.02          0.01          0.02          0.04
NI          NI             4        0.02          0.00          0.02          0.02
NO3         NO3            4        3.45          1.10          1.80          4.00
OLGR        OLGR           4        6.50          6.19          1.00         15.00
S2O3        S2O3           2       17.00         22.63          1.00         33.00
PH          PH             3                       .            7.50          7.90
K           K              4        1.62          0.49          0.90          2.00
RA          RA             1        3.10           .            3.10          3.10
BTR         BTR            1       23.00           .           23.00         23.00
RR          RR             0         .             .             .             .
SE          SE             2        0.02          0.00          0.02          0.02
AG          AG             4        0.03          0.02          0.01          0.06
NA          NA             4      136.00         20.26        110.00        154.00
TDS         TDS            0         .             .             .             .
SOLS        SOLS           4     1045.00        161.14        820.00       1200.00
SPC         SPC            2     1310.00         14.14       1300.00       1320.00
SR          SR             4        4.70          1.35          2.80          6.00
SO4         SO4            4      392.25        116.59        280.00        539.00
TEMP        TEMP           3       14.60          6.61          7.80         21.00
ZN          ZN             4        0.04          0.04          0.02          0.10
TOC         TOC            2       24.50         16.26         13.00         36.00
PHEN        PHEN           2        0.00          0.00          0.00          0.00
CYAN        CYAN           0         .             .             .             .
NH3         NH3            3        1.56          2.46          0.05          4.40
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                   20
                                                                          14:10 THURSDAY, JANUARY 13, 1983
                                   LOC=WA11

VARIABLE   LABEL          N        MEAN        STANDARD       MINIMUM       MAXIMUM
                                               DEVIATION       VALUE         VALUE

PST        PST            0          .            .              .             .
SIO2       SIO2           0          .            .              .             .
U          U              0          .            .              .             .
SUSS       SUSS           0          .            .              .             .
TH         TH             0          .            .              .             .
CS         CS             0          .            .              .             .
I          I              0          .            .              .             .
SB         SB             0          .            .              .             .
ZR         ZR             0          .            .              .             .
Y          Y              0          .            .              .             .
RB         RB             0          .            .              .             .
GE         GE             0          .            .              .             .
GA         GA             0          .            .              .             .
TI         TI             0          .            .              .             .
SC         SC             0          .            .              .             .
W          W              0          .            .              .             .
CU         CU             0          .            .              .             .
V          V              0          .            .              .             .
BE         BE             0          .            .              .             .
OH         OH             0          .            .              .             .
CH         CH             0          .            .              .             .
PA         PA             0          .            .              .             .
MA         MA             0          .            .              .             .
SCN        SCN            0          .            .              .             .
TURB       TURB           0          .            .              .             .
FF         FF             0          .            .              .             .
TSSF       TSSF           0          .            .              .             .
R228       R228           0          .            .              .             .
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         5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                21
                                                                                     14:10 THURSDAY, JANUARY 13, 1983
                                          LOC=WA12

VARIABLE    LABEL          N       MEAN        STANDARD      MINIMUM       MAXIMUM
                                               DEVIATION     VALUE         VALUE

TALK        TALK           9      495.22        49.60        450.00        617.00
AL          AL             9        0.12         0.06          0.01          0.20
ARS         ARS            9        0.02         0.00          0.02          0.02
FCOLIF      FCOLIF         5        1.00         0.00          1.00          1.00
BA          BA             9        0.70         0.49          0.50          2.00
HCO3        HCO3           9      481.89        61.78        390.00        617.00
BOD         BOD            7       24.00        55.59          1.00        150.00
B           B              9        0.08         0.03          0.04          0.10
BR          BR             4        0.75         0.19          0.59          1.00
TCOLIF      TCOLIF         3        2.67         2.89          1.00          6.00
CD          CD             9        0.01         0.01          0.01          0.02
CA          CA             9      105.67        28.05         53.00        160.00
CO3         CO3            9       14.11        27.87          1.00         80.00
CL          CL             9       14.77        15.28          8.00         55.00
CR          CR             9        0.02         0.00          0.02          0.02
COD         COD            9       20.67        19.87          1.00         50.00
CU          CU             9        0.02         0.00          0.02          0.03
DO          DO             7        7.21         1.19          5.80          9.30
DOC         DOC            5       11.80        15.22          1.00         38.00
LAS         LAS            1        0.05          .            0.05          0.05
F           F              9        0.19         0.06          0.10          0.30
HARD        HARD           9      662.22        68.15        580.00        750.00
FE          FE             9        0.13         0.21          0.01          0.50
KJN         KJN            9        0.39         0.63          0.07          2.00
PB          PB             9        0.04         0.03          0.02          0.10
LI          LI             9        0.04         0.01          0.02          0.05
MG          MG             9       96.78         8.93         84.00        110.00
MN          MN             9        0.03         0.02          0.02          0.09
HG          HG             7        0.01         0.01          0.00          0.02
MOLY        MOLY           9        0.02         0.01          0.01          0.05
NI          NI             9        0.02         0.00          0.02          0.03
NO3         NO3            9        1.93         1.29          0.10          4.20
OLGR        OLGR           9        9.67         7.50          1.00         26.00
S2O3        S2O3           2       18.50        24.75          1.00         36.00
PH          PH             8                                   7.30          8.10
K           K              9        2.49         1.11          1.70          5.00
RA          RA             6        4.92         4.17          1.60         13.00
BTR         BTR            5       10.32         8.93          4.00         26.00
RR          RR             0         .            .             .             .
SE          SE             7        0.01         0.01          0.01          0.02
AG          AG             9        0.02         0.03          0.01          0.08
NA          NA             9      144.33         9.95        130.00        160.00
TDS         TDS            5     1160.00        54.77       1100.00       1200.00
SOLS        SOLS           4     1222.50       129.20       1090.00       1400.00
SPC         SPC            7     1342.86       114.41       1200.00       1490.00
SR          SR             9        4.93         1.33          3.00          6.90
SO4         SO4            9      454.22        70.86        310.00        540.00
TEMP        TEMP           7       14.79         3.74          9.50         21.00
ZN          ZN             9        0.02         0.01          0.02          0.04
TOC         TOC            2       39.50        34.65         15.00         64.00
PHEN        PHEN           7        0.00         0.00          0.00          0.01
CYAN        CYAN           0         .            .             .             .
NH3         NH3            8        0.04         0.01          0.00          0.04
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                  5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                  22
                                                                                          14:10 THURSDAY, JANUARY 13, 1983
                                                       LOC=WA12

VARIABLE    LABEL              N          MEAN        STANDARD        MINIMUM        MAXIMUM
                                                      DEVIATION        VALUE          VALUE

PST         PST                0            .             .              .              .
SI02        SI02               0            .             .              .              .
U           U                  0            .             .              .              .
SUSS        SUSS               0            .             .              .              .
TH          TH                 0            .             .              .              .
CS          CS                 0            .             .              .              .
I           I                  0            .             .              .              .
SB          SB                 0            .             .              .              .
ZR          ZR                 0            .             .              .              .
Y           Y                  0            .             .              .              .
RB          RB                 0            .             .              .              .
GE          GE                 0            .             .              .              .
GA          GA                 0            .             .              .              .
TI          TI                 0            .             .              .              .
SC          SC                 0            .             .              .              .
W           W                  0            .             .              .              .
CO          CO                 0            .             .              .              .
V           V                  0            .             .              .              .
BE          BE                 0            .             .              .              .
OH          OH                 0            .             .              .              .
CH          CH                 0            .             .              .              .
PA          PA                 0            .             .              .              .
MA          MA                 0            .             .              .              .
SCN         SCN                2          0.10          0.00           0.10           0.10
TURB        TURB               0            .             .              .              .
FF          FF                 1          0.20            .            0.20           0.20
TSSF        TSSF               0            .             .              .              .
R228        R228               0            .             .              .              .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)
                                                          14:10 THURSDAY, JANUARY 13, 1983
                               LOC=WA13

VARIABLE   LABEL          N       MEAN       STANDARD     MINIMUM     MAXIMUM
                                             DEVIATION     VALUE       VALUE

TALK       TALK           0         .            .           .           .
AL         AL             0         .            .           .           .
ARS        ARS            0         .            .           .           .
FCOLIF     FCOLIF         0         .            .           .           .
BA         BA             0         .            .           .           .
HCO3       HCO3           0         .            .           .           .
BOD        BOD            0         .            .           .           .
B          B              0         .            .           .           .
BR         BR             0         .            .           .           .
TCOLIF     TCOLIF         0         .            .           .           .
CD         CD             0         .            .           .           .
CA         CA             0         .            .           .           .
CO3        CO3            0         .            .           .           .
CL         CL             0         .            .           .           .
CR         CR             0         .            .           .           .
COD        COD            0         .            .           .           .
CU         CU             0         .            .           .           .
DO         DO             0         .            .           .           .
DOC        DOC            0         .            .           .           .
LAS        LAS            0         .            .           .           .
F          F              0         .            .           .           .
HARD       HARD           0         .            .           .           .
FE         FE             0         .            .           .           .
KJN        KJN            0         .            .           .           .
PB         PB             0         .            .           .           .
LI         LI             0         .            .           .           .
MG         MG             0         .            .           .           .
MN         MN             0         .            .           .           .
HG         HG             0         .            .           .           .
MOLY       MOLY           0         .            .           .           .
NI         NI             0         .            .           .           .
NO3        NO3            0         .            .           .           .
OLGR       OLGR           0         .            .           .           .
S2O3       S2O3           0         .            .           .           .
PH         PH             0                                  .           .
K          K              0         .            .           .           .
RA         RA             1        1.00          .          1.00        1.00
BTR        BTR            1        2.00          .          2.00        2.00
RR         RR             0         .            .           .           .
SE         SE             0         .            .           .           .
AG         AG             0         .            .           .           .
NA         NA             0         .            .           .           .
TDS        TDS            0         .            .           .           .
SOLS       SOLS           0         .            .           .           .
SPC        SPC            0         .            .           .           .
SR         SR             0         .            .           .           .
SO4        SO4            0         .            .           .           .
TEMP       TEMP           0         .            .           .           .
ZN         ZN             0         .            .           .           .
TOC        TOC            0         .            .           .           .
PHEN       PHEN           0         .            .           .           .
CYAN       CYAN           0         .            .           .           .
NH3        NH3            0         .            .           .           .
```

```
5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                              24
                                                                      14:10 THURSDAY, JANUARY 13, 1983
                                         LOC=WA13

VARIABLE   LABEL          N       MEAN        STANDARD       MINIMUM       MAXIMUM
                                              DEVIATION       VALUE         VALUE

PST        PST            0         .             .             .             .
SIO2       SIO2           0         .             .             .             .
U          U              0         .             .             .             .
SUSS       SUSS           0         .             .             .             .
TH         TH             0         .             .             .             .
CS         CS             0         .             .             .             .
I          I              0         .             .             .             .
SB         SB             0         .             .             .             .
ZR         ZR             0         .             .             .             .
Y          Y              0         .             .             .             .
RB         RB             0         .             .             .             .
GE         GE             0         .             .             .             .
GA         GA             0         .             .             .             .
TI         TI             0         .             .             .             .
SC         SC             0         .             .             .             .
W          W              0         .             .             .             .
CO         CO             0         .             .             .             .
V          V              0         .             .             .             .
BE         BE             0         .             .             .             .
OH         OH             0         .             .             .             .
CH         CH             0         .             .             .             .
PA         PA             0         .             .             .             .
MA         MA             0         .             .             .             .
SCN        SCN            0         .             .             .             .
TURB       TURB           0         .             .             .             .
FF         FF             0         .             .             .             .
TSSF       TSSF           0         .             .             .             .
R228       R228           0         .             .             .             .
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                    5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)
                                                                                      14:10 THURSDAY, JANUARY 13, 1983
                                         LOC=#A56

VARIABLE    LABEL         N        MEAN       STANDARD      MINIMUM       MAXIMUM
                                              DEVIATION      VALUE         VALUE

TALK        TALK          3      640.00       192.87        420.00        780.00
AL          AL            3        0.10         0.00          0.10          0.10
ARS         ARS           3        0.02         0.00          0.02          0.02
FCOLIF      FCOLIF        1        1.00          .            1.00          1.00
BA          BA            3        0.50         0.00          0.50          0.50
HCO3        HCO3          3      600.00       160.93        420.00        730.00
BOD         BOD           1      150.00          .          150.00        150.00
B           B             3        0.50         0.17          0.30          0.60
BR          BR            1        0.80          .            0.80          0.80
TCOLIF      TCOLIF        1        5.00          .            5.00          5.00
CD          CD            3        0.01         0.00          0.01          0.01
CA          CA            3       50.00        16.46         40.00         69.00
CO3         CO3           3       40.33        34.99          1.00         68.00
CL          CL            3       13.50         5.68          9.50         20.00
CR          CR            3        0.02         0.00          0.02          0.02
COD         COD           3       40.00        17.32         20.00         50.00
CU          CU            3        0.02         0.00          0.02          0.02
DO          DO            3        7.00         1.25          6.00          8.40
DOC         DOC           1       10.00          .           10.00         10.00
LAS         LAS           0          .           .             .             .
F           F             3        5.80         6.24          2.00         13.00
HARD        HARD          3      260.00        75.50        190.00        340.00
FE          FE            3        0.02         0.01          0.02          0.03
KJN         KJN           3        2.47         3.84          0.10          6.90
PB          PB            3        0.02         0.00          0.02          0.02
LI          LI            3        0.05         0.00          0.05          0.05
MG          MG            3       33.00         9.64         22.00         40.00
MN          MN            3        0.21         0.26          0.02          0.50
HG          HG            3        0.00         0.00          0.00          0.00
MOLY        MOLY          3        0.01         0.00          0.01          0.01
NI          NI            3        0.02         0.01          0.02          0.03
NO3         NO3           3        5.57         2.32          2.90          7.10
OLGR        OLGR          3        7.33         4.62          2.00         10.00
S2O3        S2O3          0          .           .             .             .
PH          PH            3                                   7.30          8.00
K           K             3        2.97         3.23          1.10          6.70
RA          RA            1        3.00          .            3.00          3.00
BTR         BTR           1        3.00          .            3.00          3.00
RR          RR            1        0.20          .            0.20          0.20
SE          SE            3        0.01         0.00          0.01          0.01
AG          AG            3        0.01         0.00          0.01          0.01
NA          NA            3      290.00        91.65        190.00        370.00
TDS         TDS           3      990.00       115.33        870.00       1100.00
SOLS        SOLS          0          .           .             .             .
SPC         SPC           3     1490.00       226.05       1240.00       1680.00
SR          SR            3        2.03         1.10          1.30          3.30
SO4         SO4           3      203.33        45.09        160.00        250.00
TEMP        TEMP          2       12.50         2.12         11.00         14.00
ZN          ZN            3        0.02         0.00          0.02          0.02
TOC         TOC           0          .           .             .             .
PHEN        PHEN          3        0.00         0.00          0.00          0.00
CYAN        CYAN          0          .           .             .             .
NH3         NH3           3        2.12         3.37          0.05          6.00
```

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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                       26
                                                                      14:10 THURSDAY, JANUARY 13, 1983
                                   LOC=WA56

VARIABLE  LABEL          N       MEAN       STANDARD      MINIMUM     MAXIMUM
                                            DEVIATION      VALUE       VALUE

PST       PST            0        .            .            .           .
SIO2      SIO2           0        .            .            .           .
U         U              0        .            .            .           .
SUSS      SUSS           0        .            .            .           .
TH        TH             0        .            .            .           .
CS        CS             0        .            .            .           .
I         I              0        .            .            .           .
SB        SB             0        .            .            .           .
ZR        ZR             0        .            .            .           .
Y         Y              0        .            .            .           .
RB        RB             0        .            .            .           .
GE        GE             0        .            .            .           .
GA        GA             0        .            .            .           .
TI        TI             0        .            .            .           .
SC        SC             0        .            .            .           .
W         W              0        .            .            .           .
CO        CO             1       0.02          .          0.02        0.02
V         V              0        .            .            .           .
BE        BE             0        .            .            .           .
OH        OH             0        .            .            .           .
CH        CH             0        .            .            .           .
PA        PA             0        .            .            .           .
MA        MA             0        .            .            .           .
SCN       SCN            2       0.10         0.00        0.10        0.10
TURB      TURB           0        .            .            .           .
FF        FF             0        .            .            .           .
TSSF      TSSF           0        .            .            .           .
R228      R228           0        .            .            .           .
```

2.2.2.4 Upper Aquifer Wells

During the Interim Monitoring Program water quality samples are taken quarterly or semiannually, depending on the well, for the following parameters.

TABLE 2.2.2.4-1

Parameters Analyzed During IMP - Upper Aquifer

Field Measurements: pH, temperature, dissolved oxygen, conductivity.

As
Mo
Cr
Cu
Fe
Hg
Mn
Radiology
Na
Br

Pb
Ca
Cl
Li
Al
Sr
Se
Zn
COD
Alkalinity

K
HCO_3
Mg
Fluoride
B
BOC
Phenols
Ammonia
Hardness
NO_3

Ba
CO_3
SO_4
TDS
Oil and Grease
SiO_2
Cn
Total phosphate

Samples were taken in August, November, and December 1982 for Upper Aquifer UPC_1 and UPC_2 zones. Analyses results are presented in Tables 2.2.2.4-2 through 2.2.2.4-7.

Within this section are tables of statistics combining 5 water years (October 1977 - September 1982) of bedrock (Upper Aquifers UPC_1 and UPC_2) well water analyses. Means and standard deviations were calculated with maximum, minimum values and number of samples taken during the 5 year period. Dates which the maximum and minimum values occurred can be referenced in the Water Quality Assurance Section 2.2.4. Water analyses tables of bedrock wells sampled since Baseline (November 1974 through December 1982) appear within the Water Quality Assurance section for reasons cited there.

Table 2.2.2.4-8 presents well name, computer code and page number for easy reference of statistics tables.

TABLE 2.2.2.4-2

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
UPPER AQUIFERS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
WX32	82	11	9.1	930.0	14.0
WX44	82	8	8.3	1230.0	
		12	8.4	1290.0	10.0

TABLE 2.2.2.4-3

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WX32	82	11	500.0	-.100	.100	-.020	-.50	480.0	20.0	-.100	41.0	260.0	6.0	6.7
WX44	82	8	460.0	-.100	.800	-.020	-.50	450.0	10.0	-.100	190.0	320.0	29.0	27.0
		12	380.0	-.100	.500	-.020	-.50	380.0	-1.0	-.100	300.0	240.0	48.0	39.0

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.4-3 (Contd)

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WX32	82	11	-.010	-.50	-10.0	-.0010	.8	.60	580.0	-.5	19.0	4.5	-50.0	-.020	-.020
WX44	82	8	-.010	-.50	-10.0	-.0400	1.5	.40	830.0	-.5	180.0	11.0	-50.0	-.020	-.020
		12	-.010	-.50	-10.0	-.0010	1.2	.30	900.0	6.0	300.0	10.0	-50.0	-.020	-.020

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.4-3 (Contd)

CB-TRACT
QUARTER AND SEMIANNUALWATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	SIO2 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
*X32	82	11	12.0		.07		.00040	-.010		-.020	.020	-.05	.050	.07	22.00
*X44	82	8	19.0		.08		-.00020	-.010		-.020	.020	-.05	.060	.02	5.90
		12	16.0		.01		-.00020	-.010	-.010	-.020	.020	-.05	.060	-.02	4.50

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.4-4

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
UPPER PARACHUTE - CREEK 1

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
WD12	82	11	8.9	1270.0	8.5
WD20	82	12	9.7	1150.0	10.0
WD57	82	11	8.0	1110.0	9.0
WD90	82	8	7.3	3450.0	16.0
		11	7.4	3520.0	15.0

TABLE 2.2.2.4-5

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 1

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
W012	82	11	480.0	-.100	.500	-.020	-.50	460.0	20.0	-.100	230.0	210.0	50.0	7.9
W020	82	12	370.0	-.100	.400	-.020	-.50	370.0	-1.0	-.100	120.0	270.0	24.0	6.2
W057	82	11	420.0	-.100	.400	-.020	-.50	400.0	20.0	.500	260.0	170.0	46.0	28.0
W090	82	8 11												

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.4-5 (Contd)

CH-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 1

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHEN (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CN (MG/L)	CU (MG/L)
WD12	82	11	-.010	-.50	-10.0	-.0010	.5	.20	760.0	.6	160.0	8.5	-50.0	-.020	.020
WD20	82	12	.050	-.50	-10.0	-.0010	3.2	.40	780.0	-.5	160.0	46.0	-50.0	-.020	-.020
WD57	82	11	.200	2.00	-10.0	-.0010	2.0	.40	770.0	.9	190.0	16.0	-50.0	-.020	-.020
WD90	82	8 11													

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.4-5 (Contd)

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 1

WELL	YR	MO	SIO2 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WD12	82	11	5.2		.04		-.00020	-.010		-.020	.020	-.05	.020	.02	2.60
WD20	82	12	-1.0		.30		-.00020	-.010	-.010	-.020	.020	.30	.030	-.02	2.70
WD57	82	11	20.0		.56		-.00020	-.010		-.020	.020	.07	.020	.06	.40
WD90	82	8 11													

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.4-6

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
UPPER PARACHUTE - CREEK 2

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
WE20	82	12	9.2	2740.0	9.0

TABLE 2.2.2.4-7

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 2

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L)	CO3 (MG/L)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG(MG/L)	CA (MG/L)
WE20	82	12	1400.0	-.100	.500	-.020	-.50	1300.0	50.0	.100	13.0	1000.0	3.2	-.5

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.4-7 (Contd)

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 2

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WE20	82	12	.010	-.50	-10.0	-.0010	8.3	2.00	1800.0	-.5	6.8	96.0	-50.0	-.020	-.020

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.4-7 (Contd)

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 2

WELL	YR	MO	SIO2 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WE20	82	12	1.5		.66		-.00020	-.010		-.020	.080	.20	.020	.10	37.00

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.4-8

5 Year Statistics of Water Analyses of Upper Aquifers and UPC_1, UPC_2 Zones

Well Name	Computer Code	Page No.
CB-2	WX02	I-475
CB-2 Recompleted (UPC_1)	WD02	I-477
CB-4	WX04	I-479
CB-4 Recompleted (UPC_2)	WE04	I-481
*SG-10A	WX10	I-483
SG-10A-2 Recompleted (UPC_2)	WE51	I-485
SG-1A-2 Recompleted (UPC_1)	WD11	I-487
SG-1-2	WX12	I-489
S-1-2 Recompleted (UPC_1)	WD12	I-491
14X-7	WX14	I-493
14X-7-1 Recompleted (UPC_1)	WD14	I-495
SG-17-2	WX17	I-497
SG-17-2 Recompleted (UPC_2)	WE17	I-499
SG-17-3 Recompleted (UPC_1)	WD17	I-501
*SG-18	WX18	I-503
SG-18A-2 Recompleted (UPC_2)	WE18	I-505
SG-18A-3 Recompleted (UPC_1)	WD18	I-507
SG-19	WX19	I-509
*SG-20	WX20	I-511
SG-20-2 Recompleted (UPC_2)	WE20	I-513
SG-20-3 Recompleted (UPC_1)	WD20	I-515
*SG-21	WX21	I-517
SG-21-3 Recompleted (UPC_2)	WE21	I-519
SG-21-4 Recompleted (UPC_1)	WD21	I-521
32X-12	WX32	I-523
33X-1	WX33	I-525
AT-1A1	WX38	I-527
AT-1D-3 (UPC_1)	WD41	I-529
AT-1C-3	WX44	I-531
SG-11-3	WX55	I-533
SG-11-3 Recompleted (UPC_1)	WD52	I-535
SG-11-2 Recompleted (UPC_2)	WE52	I-537
SG-6-3	WX63	I-539
SG-6-3 Recompleted (UPC_1)	WD61	I-541
SG-6-1 Recompleted (UPC_2)	WE61	I-543
SG-9-2	WX92	I-545
SG-9-3 Recompleted (UPC_1)	WD91	I-547
SG-10 Recompletion 2 (UPC_2)	WD90	I-549

* Wells have strings recompleted to LPC_3 or LPC_4 zones. Refer to Lower Aquifer Wells section for statistics tables.

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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                        149
                                                                                 14:10 THURSDAY, JANUARY 13, 1983
                                   LOC=WA02

VARIABLE    LABEL           N          MEAN        STANDARD        MINIMUM        MAXIMUM
                                                   DEVIATION        VALUE          VALUE

TALK        TALK            6        518.33         64.01          450.00         640.00
AL          AL              6          0.22          0.15            0.10           0.40
ARS         ARS             6          0.02          0.00            0.02           0.02
FCOLIF      FCOLIF          1          1.00           .              1.00           1.00
BA          BA              6          0.50          0.00            0.50           0.50
HCO3        HCO3            6        436.67         85.48          380.00         600.00
BOD         BOD             6          6.10          4.20            1.00          11.00
B           B               6          0.10          0.05            0.04           0.20
BR          BR              5          0.10          0.00            0.10           0.10
TCOLIF      TCOLIF          1          1.00           .              1.00           1.00
CD          CD              4          0.02          0.00            0.02           0.02
CA          CA              6          9.28          4.56            5.10          18.00
CO3         CO3             6         79.67         37.85           38.00         120.00
CL          CL              6         17.87         11.20            5.20          39.00
CR          CR              6          0.03          0.02            0.02           0.08
COD         COD             6         11.38          8.87            2.00          28.00
CU          CU              6          0.03          0.02            0.02           0.06
DO          DO              4          6.22          3.86            4.00          12.00
DOC         DOC             5         11.26         17.13            0.10          41.00
LAS         LAS             1          0.05           .              0.05           0.05
F           F               6          1.14          0.48            0.56           1.70
HARD        HARD            6         44.33         10.48           36.00          65.00
FE          FE              6          0.21          0.27            0.01           0.60
KJN         KJN             5          0.77          0.29            0.40           1.10
PB          PB              6          0.07          0.07            0.02           0.20
LI          LI              6          0.07          0.01            0.04           0.08
MG          MG              6          4.85          0.87            3.70           6.00
MN          MN              6          0.03          0.02            0.02           0.07
HG          HG              5          0.01          0.01            0.00           0.02
MOLY        MOLY            6          0.04          0.03            0.02           0.10
NI          NI              6          0.04          0.03            0.02           0.10
NO3         NO3             6         17.30         24.84            0.10          59.00
OLGR        OLGR            6         11.17          8.57            5.00          28.00
S2O3        S2O3            2          5.50          0.71            5.00           6.00
PH          PH              4                                        8.30           8.80
K           K               6          2.40          1.56            0.80           4.50
RA          RA              3          5.23          0.55            4.60           5.60
BTR         BTR             2         36.50         28.99           16.00          57.00
RR          RR              1          1.40           .              1.40           1.40
SE          SE              4          0.02          0.01            0.01           0.03
AG          AG              6          0.01          0.01            0.01           0.02
NA          NA              6        366.67         16.33          340.00         390.00
TDS         TDS             3       1033.33         57.74         1000.00        1100.00
SOLS        SOLS            3       1100.00        105.36          990.00        1200.00
SPC         SPC             4       1625.00        132.29         1500.00        1800.00
SR          SR              6          2.13          0.64            1.20           3.00
SO4         SO4             6        277.33         89.99          124.00         390.00
TEMP        TEMP            4         12.65          6.35            4.60          20.00
ZN          ZN              6          0.18          0.40            0.01           1.00
TOC         TOC             3         43.67         15.28           27.00          57.00
PHEN        PHEN            5          0.01          0.01            0.00           0.03
CYAN        CYAN            0           .             .               .              .
NH3         NH3             5          0.28          0.26            0.04           0.71
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                       150
                                                                  14:10 THURSDAY, JANUARY 13, 1983
                                      LOC=WA02

VARIABLE    LABEL            N         MEAN         STANDARD       MINIMUM       MAXIMUM
                                                    DEVIATION       VALUE         VALUE

PST         PST              0           .              .             .             .
SIO2        SIO2             0           .              .             .             .
U           U                0           .              .             .             .
SUSS        SUSS             0           .              .             .             .
TH          TH               0           .              .             .             .
CS          CS               0           .              .             .             .
I           I                0           .              .             .             .
SB          SB               0           .              .             .             .
ZR          ZR               0           .              .             .             .
Y           Y                0           .              .             .             .
RB          RB               0           .              .             .             .
GE          GE               0           .              .             .             .
GA          GA               0           .              .             .             .
TI          TI               0           .              .             .             .
SC          SC               0           .              .             .             .
W           W                0           .              .             .             .
CU          CU               2         0.02           0.00          0.02          0.02
V           V                0           .              .             .             .
BE          BE               0           .              .             .             .
OH          OH               0           .              .             .             .
CH          CH               0           .              .             .             .
PA          PA               0           .              .             .             .
MA          MA               0           .              .             .             .
SCN         SCN              0           .              .             .             .
TURB        TURB             0           .              .             .             .
FF          FF               0           .              .             .             .
TSSF        TSSF             0           .              .             .             .
R228        R228             0           .              .             .             .
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                                              LOC=WD02

VARIABLE     LABEL            N          MEAN          STANDARD          MINIMUM          MAXIMUM
                                                       DEVIATION          VALUE            VALUE

TALK         TALK             1        360.00              .             360.00           360.00
AL           AL               1          0.10              .               0.10             0.10
ARS          ARS              1          0.02              .               0.02             0.02
FCOLIF       FCOLIF           0           .                .                .                .
BA           BA               1          0.50              .               0.50             0.50
HCO3         HCO3             1        140.00              .             140.00           140.00
BOD          BOD              1        150.00              .             150.00           150.00
B            B                1          0.10              .               0.10             0.10
BR           BR               1          0.10              .               0.10             0.10
TCOLIF       TCOLIF           0           .                .                .                .
CD           CD               0           .                .                .                .
CA           CA               1          6.70              .               6.70             6.70
CO3          CO3              1        220.00              .             220.00           220.00
CL           CL               1         30.00              .              30.00            30.00
CR           CR               1          0.02              .               0.02             0.02
COD          COD              1         50.00              .              50.00            50.00
CU           CU               1          0.02              .               0.02             0.02
DO           DO               1          3.07              .               3.07             3.07
DOC          DOC              1          7.00              .               7.00             7.00
LAS          LAS              0           .                .                .                .
F            F                1          0.80              .               0.80             0.80
HARD         HARD             1         91.00              .              91.00            91.00
FE           FE               1          0.02              .               0.02             0.02
KJN          KJN              1          0.80              .               0.80             0.80
PB           PB               1          0.02              .               0.02             0.02
LI           LI               1          0.05              .               0.05             0.05
MG           MG               1         18.00              .              18.00            18.00
MN           MN               1          0.02              .               0.02             0.02
HG           HG               1          0.00              .               0.00             0.00
MOLY         MOLY             1          0.01              .               0.01             0.01
NI           NI               1          0.02              .               0.02             0.02
NO3          NO3              1          0.50              .               0.50             0.50
OLGR         OLGR             1         10.00              .              10.00            10.00
S2O3         S2O3             0           .                .                .                .
PH           PH               1                            .               9.25             9.25
K            K                1          5.70              .               5.70             5.70
RA           RA               1          2.00              .               2.00             2.00
BTR          BTR              1          6.00              .               6.00             6.00
RR           RR               0           .                .                .                .
SE           SE               1          0.01              .               0.01             0.01
AG           AG               1          0.01              .               0.01             0.01
NA           NA               1        280.00              .             280.00           280.00
TDS          TDS              1        910.00              .             910.00           910.00
SOLS         SOLS             0           .                .                .                .
SPC          SPC              1       1320.00              .            1320.00          1320.00
SR           SR               1          0.90              .               0.90             0.90
SO4          SO4              1        380.00              .             380.00           380.00
TEMP         TEMP             1         17.00              .              17.00            17.00
ZN           ZN               1          0.02              .               0.02             0.02
TOC          TOC              0           .                .                .                .
PHEN         PHEN             1          0.03              .               0.03             0.03
CYAN         CYAN             0           .                .                .                .
NH3          NH3              1          0.50              .               0.50             0.50
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                        32
                                                               14:10 THURSDAY, JANUARY 13, 1983
                                   LOC=WD02

VARIABLE    LABEL          N         MEAN         STANDARD         MINIMUM        MAXIMUM
                                                  DEVIATION         VALUE          VALUE

PST         PST            0           .               .              .              .
SIO2        SIO2           1         2.00              .            2.00           2.00
U           U              0           .               .              .              .
SUSS        SUSS           0           .               .              .              .
TH          TH             0           .               .              .              .
CS          CS             0           .               .              .              .
I           I              0           .               .              .              .
SB          SB             0           .               .              .              .
ZR          ZR             0           .               .              .              .
Y           Y              0           .               .              .              .
RB          RB             0           .               .              .              .
GE          GE             0           .               .              .              .
GA          GA             0           .               .              .              .
TI          TI             0           .               .              .              .
SC          SC             0           .               .              .              .
W           W              0           .               .              .              .
CO          CO             0           .               .              .              .
V           V              0           .               .              .              .
BE          BE             0           .               .              .              .
OH          OH             0           .               .              .              .
CH          CH             0           .               .              .              .
PA          PA             0           .               .              .              .
MA          MA             0           .               .              .              .
SCN         SCN            1         0.10              .            0.10           0.10
TURB        TURB           0           .               .              .              .
FF          FF             0           .               .              .              .
TSSF        TSSF           0           .               .              .              .
R228        R228           0           .               .              .              .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                              151
                                                                 14:10 THURSDAY, JANUARY 13, 1983
                                       LOC=*X04

VARIABLE   LABEL           N         MEAN       STANDARD       MINIMUM       MAXIMUM
                                                DEVIATION        VALUE         VALUE

TALK       TALK            4       330.00          61.64        280.00        420.00
AL         AL              4         0.15           0.06          0.10          0.20
ARS        ARS             4         0.02           0.00          0.02          0.02
FCOLIF     FCOLIF          0          .              .             .             .
BA         BA              4         0.57           0.15          0.50          0.80
HCO3       HCO3            4       307.50          73.20        250.00        410.00
BOD        BOD             4         5.15           2.68          2.00          8.00
B          B               4         0.11           0.08          0.04          0.22
BR         BR              3         0.10           0.00          0.10          0.10
TCOLIF     TCOLIF          0          .              .             .             .
CD         CD              2         0.02           0.00          0.02          0.02
CA         CA              4        18.00           8.04          6.00         23.00
CO3        CO3             4        22.25          26.36          1.00         60.00
CL         CL              4         9.88           4.09          7.50         16.00
CR         CR              4         0.04           0.04          0.02          0.10
COD        COD             4        32.00          18.11          6.00         48.00
CU         CU              4         0.06           0.09          0.02          0.20
DO         DO              2         3.30           0.28          3.10          3.50
DOC        DOC             4        10.55          12.09          0.10         28.00
LAS        LAS             0          .              .             .             .
F          F               4         1.04           0.48          0.40          1.50
HARD       HARD            4       134.00          31.37        100.00        176.00
FE         FE              4         1.39           2.41          0.08          5.00
KJN        KJN             4         1.14           0.85          0.56          2.40
PB         PB              4         0.06           0.03          0.02          0.10
LI         LI              4         0.04           0.01          0.03          0.05
MG         MG              4        13.75           8.88          2.00         22.00
MN         MN              4         0.10           0.07          0.06          0.20
HG         HG              3         0.01           0.01          0.00          0.02
MOLY       MOLY            4         0.04           0.04          0.02          0.10
NI         NI              4         0.05           0.04          0.02          0.10
NO3        NO3             4        31.13          59.25          0.50        120.00
OLGR       OLGR            4         5.75           3.30          1.00          8.00
S203       S203            0          .              .             .             .
PH         PH              3                                      7.40          8.00
K          K               4         0.70           0.18          0.50          0.90
RA         RA              1         0.80            .            0.80          0.80
BTR        BTR             1         6.00            .            6.00          6.00
RR         RR              0          .              .             .             .
SE         SE              2         0.01           0.01          0.01          0.02
AG         AG              4         0.01           0.01          0.01          0.02
NA         NA              4       141.25          28.98        110.00        180.00
TDS        TDS             2       520.00          56.57        480.00        560.00
SOLS       SOLS            2       573.50          61.52        530.00        617.00
SPC        SPC             3       845.00         126.79        700.00        935.00
SR         SR              4         7.02           0.71          6.30          8.00
SO4        SO4             4       133.25          33.10        103.00        180.00
TEMP       TEMP            3        18.00           1.00         17.00         19.00
ZN         ZN              4         0.26           0.49          0.01          1.00
TOC        TOC             1        79.00            .           79.00         79.00
PHEN       PHEN            3         0.00           0.00          0.00          0.00
CYAN       CYAN            0          .              .             .             .
NH3        NH3             3         0.48           0.39          0.04          0.80
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                 5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                  152
                                                                                         14:10 THURSDAY, JANUARY 13, 1983
                                            LOC=WA04

VARIABLE   LABEL            N          MEAN        STANDARD       MINIMUM        MAXIMUM
                                                   DEVIATION       VALUE          VALUE

PST        PST              0            .             .              .              .
SIO2       SIO2             0            .             .              .              .
U          U                0            .             .              .              .
SUSS       SUSS             0            .             .              .              .
TH         TH               0            .             .              .              .
CS         CS               0            .             .              .              .
I          I                0            .             .              .              .
SB         SB               0            .             .              .              .
ZR         ZR               0            .             .              .              .
Y          Y                0            .             .              .              .
RB         RB               0            .             .              .              .
GE         GE               0            .             .              .              .
GA         GA               0            .             .              .              .
TI         TI               0            .             .              .              .
SC         SC               0            .             .              .              .
W          W                0            .             .              .              .
CU         CU               2          0.02          0.00           0.02           0.02
V          V                0            .             .              .              .
BE         BE               0            .             .              .              .
OH         OH               0            .             .              .              .
CH         CH               0            .             .              .              .
PA         PA               0            .             .              .              .
MA         MA               0            .             .              .              .
SCN        SCN              0            .             .              .              .
TURB       TURB             0            .             .              .              .
FF         FF               0            .             .              .              .
TSSF       TSSF             0            .             .              .              .
R228       R228             0            .             .              .              .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                   57
                                                                 14:10 THURSDAY, JANUARY 13, 1983
                                  LOC=WE04

VARIABLE    LABEL          N        MEAN       STANDARD        MINIMUM        MAXIMUM
                                               DEVIATION        VALUE          VALUE

TALK        TALK           1       380.00          .           380.00         380.00
AL          AL             1         0.10          .             0.10           0.10
ARS         ARS            1         0.02          .             0.02           0.02
FCOLIF      FCOLIF         0          .            .              .              .
BA          BA             1         0.50          .             0.50           0.50
HCO3        HCO3           1       380.00          .           380.00         380.00
BOD         BOD            1       150.00          .           150.00         150.00
B           B              1         0.10          .             0.10           0.10
BR          BR             1         0.80          .             0.80           0.80
TCOLIF      TCOLIF         0          .            .              .              .
CD          CD             0          .            .              .              .
CA          CA             1        54.00          .            54.00          54.00
CO3         CO3            1         1.00          .             1.00           1.00
CL          CL             1        14.00          .            14.00          14.00
CR          CR             1         0.02          .             0.02           0.02
COD         COD            1        50.00          .            50.00          50.00
CU          CU             1         0.02          .             0.02           0.02
DO          DO             1         4.03          .             4.03           4.03
DOC         DOC            1         3.00          .             3.00           3.00
LAS         LAS            0          .            .              .              .
F           F              1         0.20          .             0.20           0.20
HARD        HARD           1       320.00          .           320.00         320.00
FE          FE             1         0.04          .             0.04           0.04
KJN         KJN            1         0.10          .             0.10           0.10
PB          PB             1         0.02          .             0.02           0.02
LI          LI             1         0.05          .             0.05           0.05
MG          MG             1        45.00          .            45.00          45.00
MN          MN             1         0.20          .             0.20           0.20
HG          HG             1         0.00          .             0.00           0.00
MOLY        MOLY           1         0.01          .             0.01           0.01
NI          NI             1         0.02          .             0.02           0.02
NO3         NO3            1         0.50          .             0.50           0.50
OLGR        OLGR           1        10.00          .            10.00          10.00
S2O3        S2O3           0          .            .              .              .
PH          PH             1                       .             7.92           7.92
K           K              1         3.90          .             3.90           3.90
RA          RA             1         1.00          .             1.00           1.00
BTR         BTR            1         6.00          .             6.00           6.00
RR          RR             0          .            .              .              .
SE          SE             1         0.01          .             0.01           0.01
AG          AG             1         0.01          .             0.01           0.01
NA          NA             1       140.00          .           140.00         140.00
TDS         TDS            1       720.00          .           720.00         720.00
SOLS        SOLS           0          .            .              .              .
SPC         SPC            1      1150.00          .          1150.00        1150.00
SR          SR             1         4.40          .             4.40           4.40
SO4         SO4            1       180.00          .           180.00         180.00
TEMP        TEMP           1        18.00          .            18.00          18.00
ZN          ZN             1         0.02          .             0.02           0.02
TOC         TOC            0          .            .              .              .
PHEN        PHEN           1         0.00          .             0.00           0.00
CYAN        CYAN           0          .            .              .              .
NH3         NH3            1         0.04          .             0.04           0.04
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                   58
                                                                          14:10 THURSDAY, JANUARY 13, 1983
                                   LOC=WE04

VARIABLE    LABEL           N         MEAN        STANDARD       MINIMUM      MAXIMUM
                                                  DEVIATION       VALUE        VALUE

PST         PST             0           .             .             .            .
SIO2        SIO2            1        23.00            .          23.00        23.00
U           U               0           .             .             .            .
SUSS        SUSS            0           .             .             .            .
TH          TH              0           .             .             .            .
CS          CS              0           .             .             .            .
I           I               0           .             .             .            .
SB          SB              0           .             .             .            .
ZR          ZR              0           .             .             .            .
Y           Y               0           .             .             .            .
RB          RB              0           .             .             .            .
GE          GE              0           .             .             .            .
GA          GA              0           .             .             .            .
TI          TI              0           .             .             .            .
SC          SC              0           .             .             .            .
W           W               0           .             .             .            .
CO          CO              0           .             .             .            .
V           V               0           .             .             .            .
BE          BE              0           .             .             .            .
UH          UH              0           .             .             .            .
CH          CH              0           .             .             .            .
PA          PA              0           .             .             .            .
MA          MA              0           .             .             .            .
SCN         SCN             1         0.10            .           0.10         0.10
TURB        TURB            0           .             .             .            .
FF          FF              0           .             .             .            .
TSSF        TSSF            0           .             .             .            .
R226        R228            0           .             .             .            .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                           153
                                                                   14:10 THURSDAY, JANUARY 13, 1983
                                   LOC=WX10

VARIABLE    LABEL           N          MEAN        STANDARD        MINIMUM        MAXIMUM
                                                   DEVIATION        VALUE          VALUE

TALK        TALK            3        400.00          26.46          370.00         420.00
AL          AL              3          0.17           0.12            0.10           0.30
ARS         ARS             3          0.02           0.00            0.02           0.02
FCOLIF      FCOLIF          1          1.00            .              1.00           1.00
BA          BA              3          0.50           0.00            0.50           0.50
HCO3        HCO3            3        383.33          37.86          340.00         410.00
BOD         BOD             3          5.77           2.25            4.00           8.30
B           B               3          0.11           0.08            0.04           0.20
BR          BR              3          0.20           0.10            0.10           0.30
TCOLIF      TCOLIF          1          1.00            .              1.00           1.00
CD          CD              3          0.02           0.00            0.02           0.02
CA          CA              3         59.33          11.93           51.00          73.00
CO3         CO3             3         17.00          14.73            1.00          30.00
CL          CL              3         11.87          11.69            2.60          25.00
CR          CR              3          0.05           0.05            0.02           0.10
COD         COD             3         12.10          10.53            4.00          24.00
CU          CU              3          0.08           0.10            0.02           0.20
DO          DO              2          2.70           0.42            2.40           3.00
DOC         DOC             2          0.55           0.64            0.10           1.00
LAS         LAS             2          0.04           0.01            0.04           0.05
F           F               3          0.83           0.68            0.33           1.60
HARD        HARD            3        376.67          68.07          300.00         430.00
FE          FE              3          6.50           6.87            0.50          14.00
KJN         KJN             2          1.56           0.79            1.00           2.12
PB          PB              3          0.06           0.04            0.02           0.10
LI          LI              3          0.04           0.03            0.02           0.07
MG          MG              3         46.33          13.80           36.00          62.00
MN          MN              3          0.12           0.07            0.08           0.20
HG          HG              3          0.01           0.01            0.00           0.02
MOLY        MOLY            3          0.07           0.04            0.02           0.10
NI          NI              3          0.05           0.04            0.02           0.10
NO3         NO3             3         11.70          17.64            0.10          32.00
OLGR        OLGR            3         20.00           8.89           13.00          30.00
S2O3        S2O3            2          7.00           7.07            2.00          12.00
PH          PH              2                                         7.10           7.60
K           K               3          0.80           0.26            0.50           1.00
RA          RA              2          2.10           1.13            1.30           2.90
BTR         BTR             2          3.00           0.00            3.00           3.00
RR          RR              0           .              .               .              .
SE          SE              2          0.02           0.00            0.02           0.02
AG          AG              2          0.01           0.01            0.01           0.02
NA          NA              3        636.67         747.82          190.00        1500.00
TDS         TDS             0           .              .               .              .
SOLS        SOLS            2        995.00           7.07          990.00        1000.00
SPC         SPC             2       1500.00           0.00         1500.00        1500.00
SR          SR              3          9.20           2.31            6.60          11.00
SO4         SO4             3        350.00          17.32          330.00         360.00
TEMP        TEMP            2         15.50           2.12           14.00          17.00
ZN          ZN              3          0.07           0.04            0.02           0.10
TOC         TOC             3         22.00          20.52            1.00          42.00
PHEN        PHEN            3          0.00           0.00            0.00           0.00
CYAN        CYAN            0           .              .               .              .
NH3         NH3             3          0.41           0.28            0.20           0.73
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                              154
                                                                                     14:10 THURSDAY, JANUARY 13, 1983
                                          LOC=WX10

VARIABLE   LABEL            N         MEAN        STANDARD       MINIMUM        MAXIMUM
                                                  DEVIATION       VALUE          VALUE

PST        PST              0           .             .             .              .
SIO2       SIO2             0           .             .             .              .
U          U                0           .             .             .              .
SUSS       SUSS             0           .             .             .              .
TH         TH               0           .             .             .              .
CS         CS               0           .             .             .              .
I          I                0           .             .             .              .
SB         SB               0           .             .             .              .
ZR         ZR               0           .             .             .              .
Y          Y                0           .             .             .              .
RB         RB               0           .             .             .              .
GE         GE               0           .             .             .              .
GA         GA               0           .             .             .              .
TI         TI               0           .             .             .              .
SC         SC               0           .             .             .              .
W          W                0           .             .             .              .
CO         CO               0           .             .             .              .
V          V                0           .             .             .              .
BE         BE               0           .             .             .              .
UH         UH               0           .             .             .              .
CR         CR               0           .             .             .              .
PA         PA               0           .             .             .              .
NA         NA               0           .             .             .              .
SCN        SCN              0           .             .             .              .
TURB       TURB             0           .             .             .              .
FF         FF               0           .             .             .              .
TSSF       TSSF             0           .             .             .              .
R228       R228             0           .             .             .              .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                      67
                                                                        14:10 THURSDAY, JANUARY 13, 1983
                                        LOC=WEST

VARIABLE    LABEL          N         MEAN        STANDARD       MINIMUM        MAXIMUM
                                                 DEVIATION       VALUE          VALUE

TALK        TALK           1        190.00           .          190.00         190.00
AL          AL             1          0.10           .            0.10           0.10
ARS         ARS            1          0.02           .            0.02           0.02
FCOLIF      FCOLIF         0           .             .             .              .
BA          BA             1          0.50           .            0.50           0.50
HCO3        HCO3           1         30.00           .           30.00          30.00
BOD         BOD            1        150.00           .          150.00         150.00
B           B              1          0.40           .            0.40           0.40
BR          BR             1          0.10           .            0.10           0.10
TCOLIF      TCOLIF         0           .             .             .              .
CD          CD             0           .             .             .              .
CA          CA             1          1.90           .            1.90           1.90
CO3         CO3            1        160.00           .          160.00         160.00
CL          CL             1        170.00           .          170.00         170.00
CR          CR             1          0.02           .            0.02           0.02
COD         COD            1         50.00           .           50.00          50.00
CU          CU             1          0.02           .            0.02           0.02
DO          DO             1          1.52           .            1.52           1.52
DOC         DOC            1         10.00           .           10.00          10.00
LAS         LAS            0           .             .             .              .
F           F              1         11.00           .           11.00          11.00
HARD        HARD           1         10.00           .           10.00          10.00
FE          FE             1          0.40           .            0.40           0.40
KJN         KJN            1          5.00           .            5.00           5.00
PB          PB             1          0.02           .            0.02           0.02
LI          LI             1          0.10           .            0.10           0.10
MG          MG             1          0.50           .            0.50           0.50
MN          MN             1          0.02           .            0.02           0.02
HG          HG             1          0.00           .            0.00           0.00
MOLY        MOLY           1          0.20           .            0.20           0.20
NI          NI             1          0.02           .            0.02           0.02
NO3         NO3            1          0.50           .            0.50           0.50
OLGR        OLGR           1         10.00           .           10.00          10.00
S2O3        S2O3           0           .             .             .              .
PH          PH             1                         .            9.67           9.67
K           K              1         36.00           .           36.00          36.00
RA          RA             0           .             .             .              .
BTR         BTR            0           .             .             .              .
RR          RR             0           .             .             .              .
SE          SE             1          0.01           .            0.01           0.01
AG          AG             1          0.01           .            0.01           0.01
NA          NA             1        220.00           .          220.00         220.00
TDS         TDS            1        740.00           .          740.00         740.00
SOLS        SOLS           0           .             .             .              .
SPC         SPC            1       1160.00           .         1160.00        1160.00
SR          SR             1          0.50           .            0.50           0.50
SO4         SO4            1        130.00           .          130.00         130.00
TEMP        TEMP           1         20.00           .           20.00          20.00
ZN          ZN             1          0.02           .            0.02           0.02
TOC         TOC            0           .             .             .              .
PHEN        PHEN           1          0.04           .            0.04           0.04
TAN         TAN            0           .             .             .              .
NH3         NH3            1          4.20           .            4.20           4.20
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                           68
                                                                                14:10 THURSDAY, JANUARY 13, 1983
                                          LOC=WEST

VARIABLE   LABEL           N          MEAN       STANDARD       MINIMUM        MAXIMUM
                                                 DEVIATION       VALUE          VALUE

PST        PST             0            .              .             .              .
SIO2       SIO2            1          1.00             .          1.00           1.00
U          U               0            .              .             .              .
SUSS       SUSS            0            .              .             .              .
TH         TH              0            .              .             .              .
CS         CS              0            .              .             .              .
I          I               0            .              .             .              .
SB         SB              0            .              .             .              .
ZR         ZR              0            .              .             .              .
Y          Y               0            .              .             .              .
RB         RB              0            .              .             .              .
GE         GE              0            .              .             .              .
GA         GA              0            .              .             .              .
TI         TI              0            .              .             .              .
SC         SC              0            .              .             .              .
W          W               0            .              .             .              .
CO         CO              0            .              .             .              .
V          V               0            .              .             .              .
SE         SE              0            .              .             .              .
BR         BR              0            .              .             .              .
CR         CR              0            .              .             .              .
PA         PA              0            .              .             .              .
MA         MA              0            .              .             .              .
SCN        SCN             1          0.40             .          0.40           0.40
TURB       TURB            0            .              .             .              .
FF         FF              0            .              .             .              .
TSSF       TSSF            0            .              .             .              .
R226       R226            0            .              .             .              .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                    33
                                                                       14:10 THURSDAY, JANUARY 13, 1983
                                          LOC=WD11

VARIABLE    LABEL          N        MEAN       STANDARD       MINIMUM       MAXIMUM
                                               DEVIATION       VALUE         VALUE

TALK        TALK           1      330.00           .          330.00        330.00
AL          AL             1        0.10           .            0.10          0.10
ARS         ARS            1        0.02           .            0.02          0.02
FCOLIF      FCOLIF         0         .             .             .             .
BA          BA             1        0.50           .            0.50          0.50
HCO3        HCO3           1       30.00           .           30.00         30.00
BOD         BOD            1      150.00           .          150.00        150.00
B           B              1        0.20           .            0.20          0.20
BR          BR             1        0.10           .            0.10          0.10
TCOLIF      TCOLIF         0         .             .             .             .
CD          CD             0         .             .             .             .
CA          CA             1       13.00           .           13.00         13.00
CO3         CO3            1      300.00           .          300.00        300.00
CL          CL             1       63.00           .           63.00         63.00
CR          CR             1        0.02           .            0.02          0.02
COD         COD            1       50.00           .           50.00         50.00
CU          CU             1        0.02           .            0.02          0.02
DO          DO             1        5.80           .            5.80          5.80
DOC         DOC            1       10.00           .           10.00         10.00
LAS         LAS            0         .             .             .             .
F           F              1        1.80           .            1.80          1.80
HARD        HARD           1      140.00           .          140.00        140.00
FE          FE             1        0.04           .            0.04          0.04
KJN         KJN            1        1.10           .            1.10          1.10
PB          PB             1        0.02           .            0.02          0.02
LI          LI             1        0.10           .            0.10          0.10
MG          MG             1       27.00           .           27.00         27.00
MN          MN             1        0.02           .            0.02          0.02
HG          HG             1        0.00           .            0.00          0.00
MOLY        MOLY           1        0.02           .            0.02          0.02
NI          NI             1        0.02           .            0.02          0.02
NO3         NO3            1        0.50           .            0.50          0.50
OLGR        OLGR           1       10.00           .           10.00         10.00
S2O3        S2O3           0         .             .             .             .
PH          PH             1                                    9.68          9.68
K           K              1       23.00           .           23.00         23.00
RA          RA             1        1.00           .            1.00          1.00
BTR         BTR            1       20.00           .           20.00         20.00
RR          RR             0         .             .             .             .
SE          SE             1        0.01           .            0.01          0.01
AG          AG             1        0.01           .            0.01          0.01
NA          NA             1      230.00           .          230.00        230.00
TDS         TDS            1      930.00           .          930.00        930.00
SOLS        SOLS           0         .             .             .             .
SPC         SPC            1     1170.00           .         1170.00       1170.00
SR          SR             1        1.80           .            1.80          1.80
SO4         SO4            1      230.00           .          230.00        230.00
TEMP        TEMP           1       19.00           .           19.00         19.00
ZN          ZN             1        0.02           .            0.02          0.02
TOC         TOC            0         .             .             .             .
PHEN        PHEN           1        0.00           .            0.00          0.00
CYAN        CYAN           0         .             .             .             .
NH3         NH3            1        1.10           .            1.10          1.10
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                   34
                                                                          14:10 THURSDAY, JANUARY 13, 1983
                                        LOC=#D11

VARIABLE    LABEL          N          MEAN        STANDARD       MINIMUM        MAXIMUM
                                                  DEVIATION       VALUE          VALUE

PST         PST            0            .             .             .              .
SI02        SI02           1          9.00            .           9.00           9.00
U           U              0            .             .             .              .
SUSS        SUSS           0            .             .             .              .
TH          TH             0            .             .             .              .
CS          CS             0            .             .             .              .
I           I              0            .             .             .              .
SB          SB             0            .             .             .              .
ZR          ZR             0            .             .             .              .
Y           Y              0            .             .             .              .
RB          RB             0            .             .             .              .
GE          GE             0            .             .             .              .
GA          GA             0            .             .             .              .
TI          TI             0            .             .             .              .
SC          SC             0            .             .             .              .
W           W              0            .             .             .              .
CU          CO             0            .             .             .              .
V           V              0            .             .             .              .
BE          BE             0            .             .             .              .
OH          OH             0            .             .             .              .
CH          CH             0            .             .             .              .
PA          PA             0            .             .             .              .
MA          MA             0            .             .             .              .
SCN         SCN            1          0.10            .           0.10           0.10
TURB        TURB           0            .             .             .              .
FF          FF             0            .             .             .              .
TSSF        TSSF           0            .             .             .              .
R228        R228           0            .             .             .              .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                          155
                                                                  14:10 THURSDAY, JANUARY 13, 1983
                                    LOC=WX12

VARIABLE    LABEL          N        MEAN       STANDARD        MINIMUM         MAXIMUM
                                               DEVIATION         VALUE           VALUE

TALK        TALK           6      590.00         120.33         480.00          780.00
AL          AL             6        0.15           0.08           0.10            0.30
ARS         ARS            6        0.05           0.07           0.02            0.20
FCOLIF      FCOLIF         1        1.00            .             1.00            1.00
BA          BA             6        0.50           0.00           0.50            0.50
HCO3        HCO3           6      510.83         136.47         390.00          740.00
BOD         BOD            6       20.50          23.57           3.00           67.00
B           B              6        0.29           0.18           0.04            0.60
BR          BR             5        0.14           0.09           0.10            0.30
TCOLIF      TCOLIF         1        1.00            .             1.00            1.00
CD          CD             4        0.02           0.00           0.02            0.02
CA          CA             6       22.03          11.49           8.20           34.00
CO3         CO3            6       80.17          92.78           1.00          260.00
CL          CL             6       14.03          16.36           3.20           47.00
CR          CR             6        0.04           0.03           0.02            0.10
COD         COD            6       25.33          32.56           1.00           84.00
CU          CU             6        0.05           0.07           0.02            0.20
DO          DO             4        4.30           2.61           2.00            8.00
DOC         DOC            5       49.64          98.48           0.10          225.00
LAS         LAS            2        0.04           0.01           0.04            0.05
F           F              6        8.35           6.13           2.90           16.00
HARD        HARD           6      214.00         105.64          74.00          330.00
FE          FE             6        2.29           3.40           0.02            8.00
KJN         KJN            5        1.22           0.98           0.30            2.90
PB          PB             6        0.05           0.04           0.02            0.10
LI          LI             6        0.05           0.01           0.03            0.07
MG          MG             6       27.67          20.42          10.00           60.00
MN          MN             6        0.08           0.06           0.03            0.20
HG          HG             5        0.01           0.01           0.00            0.02
MOLY        MOLY           6        0.03           0.03           0.01            0.10
NI          NI             6        0.07           0.07           0.02            0.20
NO3         NO3            6       11.45          16.17           0.10           38.00
OLGR        OLGR           6        6.83           6.97           1.00           20.00
S2O3        S2O3           2        6.00           7.07           1.00           11.00
PH          PH             4                                      7.60            8.30
K           K              6        1.17           1.02           0.10            2.80
RA          RA             3        0.90           0.52           0.60            1.50
BTR         BTR            2       22.50          24.75           5.00           40.00
RR          RR             1        0.70            .             0.70            0.70
SE          SE             4        0.02           0.01           0.01            0.02
AG          AG             6        0.01           0.01           0.01            0.02
NA          NA             6      278.33          90.20         190.00          420.00
TDS         TDS            2      785.00          21.21         770.00          800.00
SOLS        SOLS           3      870.00          10.00         860.00          880.00
SPC         SPC            4     1277.50         155.00        1200.00         1510.00
SR          SR             6        8.28           4.58           2.20           13.00
SO4         SO4            6      107.67          83.07          18.00          220.00
TEMP        TEMP           4       15.50           3.70          10.00           18.00
ZN          ZN             6        0.18           0.40           0.01            1.00
TOC         TOC            3      151.67         213.59          18.00          398.00
PHEN        PHEN           5        0.00           0.00           0.00            0.01
CYAN        CYAN           0         .              .              .               .
NH3         NH3            5        1.32           1.15           0.54            3.34
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                    156
                                                            14:10 THURSDAY, JANUARY 13, 1983
                                   LOC=WX12

VARIABLE   LABEL          N         MEAN       STANDARD      MINIMUM      MAXIMUM
                                               DEVIATION      VALUE        VALUE

PST        PST            0           .            .            .            .
SIO2       SIO2           0           .            .            .            .
U          U              0           .            .            .            .
SUSS       SUSS           0           .            .            .            .
TH         TH             0           .            .            .            .
CS         CS             0           .            .            .            .
I          I              0           .            .            .            .
SB         SB             0           .            .            .            .
ZR         ZR             0           .            .            .            .
Y          Y              0           .            .            .            .
RB         RB             0           .            .            .            .
GE         GE             0           .            .            .            .
GA         GA             0           .            .            .            .
TI         TI             0           .            .            .            .
SC         SC             0           .            .            .            .
■          ■              0           .            .            .            .
CO         CO             2          0.02         0.01         0.02         0.03
V          V              0           .            .            .            .
BE         BE             0           .            .            .            .
OH         OH             0           .            .            .            .
CH         CH             0           .            .            .            .
PA         PA             0           .            .            .            .
MA         MA             0           .            .            .            .
SCN        SCN            0           .            .            .            .
TURB       TURB           0           .            .            .            .
FF         FF             0           .            .            .            .
TSSF       TSSF           0           .            .            .            .
R226       R226           0           .            .            .            .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

                                    LOC=WD12

VARIABLE   LABEL          N       MEAN      STANDARD      MINIMUM      MAXIMUM
                                            DEVIATION      VALUE        VALUE

TALK       TALK           1      470.00         .          470.00       470.00
AL         AL             1        0.10         .            0.10         0.10
ARS        ARS            1        0.02         .            0.02         0.02
FCOLIF     FCOLIF         0         .           .             .            .
BA         BA             1        0.50         .            0.50         0.50
HCO3       HCO3           1      400.00         .          400.00       400.00
BOD        BOD            1      150.00         .          150.00       150.00
B          B              1        0.20         .            0.20         0.20
BR         BR             1        0.10         .            0.10         0.10
TCOLIF     TCOLIF         0         .           .             .            .
CD         CD             0         .           .             .            .
CA         CA             1       29.00         .           29.00        29.00
CO3        CO3            1       66.00         .           66.00        66.00
CL         CL             1       10.00         .           10.00        10.00
CR         CR             1        0.02         .            0.02         0.02
COD        COD            1       50.00         .           50.00        50.00
CU         CU             1        0.02         .            0.02         0.02
DO         DO             1        3.95         .            3.95         3.95
DOC        DOC            1        5.00         .            5.00         5.00
LAS        LAS            0         .           .             .            .
F          F              1        2.50         .            2.50         2.50
HARD       HARD           1      280.00         .          280.00       280.00
FE         FE             1        0.02         .            0.02         0.02
KJN        KJN            1        0.40         .            0.40         0.40
PB         PB             1        0.02         .            0.02         0.02
LI         LI             1        0.05         .            0.05         0.05
MG         MG             1       51.00         .           51.00        51.00
MN         MN             1        0.06         .            0.06         0.06
HG         HG             1        0.00         .            0.00         0.00
MOLY       MOLY           1        0.01         .            0.01         0.01
NI         NI             1        0.02         .            0.02         0.02
NO3        NO3            1        0.50         .            0.50         0.50
OLGR       OLGR           1       10.00         .           10.00        10.00
S2O3       S2O3           0         .           .             .            .
PH         PH             1                                  7.90         7.90
K          K              1        3.20         .            3.20         3.20
RA         RA             1        4.00         .            4.00         4.00
BTR        BTR            1        5.00         .            5.00         5.00
RR         RR             0         .           .             .            .
SE         SE             1        0.01         .            0.01         0.01
AG         AG             1        0.01         .            0.01         0.01
NA         NA             1      190.00         .          190.00       190.00
TDS        TDS            1      790.00         .          790.00       790.00
SOLS       SOLS           0         .           .             .            .
SPC        SPC            1     1000.00         .         1000.00      1000.00
SR         SR             1       14.00         .           14.00        14.00
SO4        SO4            1      220.00         .          220.00       220.00
TEMP       TEMP           1       20.00         .           20.00        20.00
ZN         ZN             1        0.02         .            0.02         0.02
TOC        TOC            0         .           .             .            .
PHEN       PHEN           1        0.00         .            0.00         0.00
CYAN       CYAN           0         .           .             .            .
NH3        NH3            1        0.30         .            0.30         0.30
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             5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                      36
                                                                                     14:10 THURSDAY, JANUARY 13, 1983
                                                    LOC=WD12

VARIABLE    LABEL              N          MEAN          STANDARD         MINIMUM          MAXIMUM
                                                        DEVIATION         VALUE            VALUE

PST         PST                0            .               .               .                .
SIO2        SIO2               1         12.00              .             12.00            12.00
U           U                  0            .               .               .                .
SUSS        SUSS               0            .               .               .                .
TH          TH                 0            .               .               .                .
CS          CS                 0            .               .               .                .
I           I                  0            .               .               .                .
SB          SB                 0            .               .               .                .
ZR          ZR                 0            .               .               .                .
Y           Y                  0            .               .               .                .
RB          RB                 0            .               .               .                .
GE          GE                 0            .               .               .                .
GA          GA                 0            .               .               .                .
TI          TI                 0            .               .               .                .
SC          SC                 0            .               .               .                .
W           W                  0            .               .               .                .
CO          CO                 0            .               .               .                .
V           V                  0            .               .               .                .
BE          BE                 0            .               .               .                .
OH          OH                 0            .               .               .                .
CH          CH                 0            .               .               .                .
PA          PA                 0            .               .               .                .
MA          MA                 0            .               .               .                .
SCN         SCN                1          0.10              .              0.10             0.10
TURB        TURB               0            .               .               .                .
FF          FF                 0            .               .               .                .
TSSF        TSSF               0            .               .               .                .
R228        R228               0            .               .               .                .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                              157
                                                                                     14:10 THURSDAY, JANUARY 13, 1983
                                            LOC=WX14

VARIABLE    LABEL            N           MEAN       STANDARD         MINIMUM         MAXIMUM
                                                    DEVIATION          VALUE           VALUE

TALK        TALK             1         380.00           .             380.00          380.00
AL          AL               1           0.10           .               0.10            0.10
ARS         ARS              1           0.02           .               0.02            0.02
FCOLIF      FCOLIF           0            .             .                .               .
BA          BA               1           0.50           .               0.50            0.50
HCO3        HCO3             1         380.00           .             380.00          380.00
BOD         BOD              1           9.00           .               9.00            9.00
B           B                1           0.10           .               0.10            0.10
BR          BR               1           0.10           .               0.10            0.10
TCOLIF      TCOLIF           0            .             .                .               .
CD          CD               0            .             .                .               .
CA          CA               1          70.00           .              70.00           70.00
CO3         CO3              1           1.00           .               1.00            1.00
CL          CL               1           6.50           .               6.50            6.50
CR          CR               1           0.02           .               0.02            0.02
COD         COD              1           2.00           .               2.00            2.00
CU          CU               1           0.02           .               0.02            0.02
DO          DO               1           6.20           .               6.20            6.20
DOC         DOC              1           4.00           .               4.00            4.00
LAS         LAS              0            .             .                .               .
F           F                1           0.20           .               0.20            0.20
HARD        HARD             1         380.00           .             380.00          380.00
FE          FE               1           0.03           .               0.03            0.03
KJN         KJN              1           0.30           .               0.30            0.30
PB          PB               1           0.02           .               0.02            0.02
LI          LI               1           0.05           .               0.05            0.05
MG          MG               1          51.00           .              51.00           51.00
MN          MN               1           0.04           .               0.04            0.04
HG          HG               1           0.00           .               0.00            0.00
MOLY        MOLY             1           0.01           .               0.01            0.01
NI          NI               1           0.02           .               0.02            0.02
NO3         NO3              1           0.50           .               0.50            0.50
OLGR        OLGR             1           9.00           .               9.00            9.00
S2O3        S2O3             0            .             .                .               .
PH          PH               1                                          7.40            7.40
K           K                1           1.30           .               1.30            1.30
RA          RA               0            .             .                .               .
RTR         RTR              1          24.00           .              24.00           24.00
RR          RR               0            .             .                .               .
SE          SE               1           0.01           .               0.01            0.01
AG          AG               1           0.01           .               0.01            0.01
NA          NA               1         180.00           .             180.00          180.00
TDS         TDS              1        1000.00           .            1000.00         1000.00
SOLS        SOLS             0            .             .                .               .
SPC         SPC              1        1310.00           .            1310.00         1310.00
SR          SR               1          11.00           .              11.00           11.00
SO4         SO4              1         390.00           .             390.00          390.00
TEMP        TEMP             1          18.00           .              18.00           18.00
ZN          ZN               1           0.02           .               0.02            0.02
TOC         TOC              0            .             .                .               .
PHEN        PHEN             1           0.00           .               0.00            0.00
CYAN        CYAN             0            .             .                .               .
NH3         NH3              1           0.10           .               0.10            0.10
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          5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                    158
                                                                      14:10 THURSDAY, JANUARY 13, 1983
                                          LOC=WX14

VARIABLE   LABEL           N         MEAN       STANDARD       MINIMUM       MAXIMUM
                                                DEVIATION       VALUE         VALUE

PST        PST             0           .              .            .             .
SIO2       SIO2            0           .              .            .             .
U          U               0           .              .            .             .
SUSS       SUSS            0           .              .            .             .
TH         TH              0           .              .            .             .
CS         CS              0           .              .            .             .
I          I               0           .              .            .             .
SB         SB              0           .              .            .             .
ZR         ZR              0           .              .            .             .
Y          Y               0           .              .            .             .
RB         RB              0           .              .            .             .
GE         GE              0           .              .            .             .
GA         GA              0           .              .            .             .
TI         TI              0           .              .            .             .
SC         SC              0           .              .            .             .
W          W               0           .              .            .             .
CO         CO              1          0.02            .          0.02          0.02
V          V               0           .              .            .             .
BE         BE              0           .              .            .             .
OH         OH              0           .              .            .             .
CH         CH              0           .              .            .             .
PA         PA              0           .              .            .             .
MA         MA              0           .              .            .             .
SCN        SCN             0           .              .            .             .
TURB       TURB            0           .              .            .             .
FF         FF              0           .              .            .             .
TSSF       TSSF            0           .              .            .             .
R228       R228            0           .              .            .             .
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                                        LOC=#D14

VARIABLE    LABEL           N        MEAN        STANDARD       MINIMUM      MAXIMUM
                                                 DEVIATION       VALUE        VALUE

TALK        TALK            1       330.00           .          330.00       330.00
AL          AL              1         0.10           .            0.10         0.10
ARS         ARS             1         0.02           .            0.02         0.02
FCOLIF      FCOLIF          0          .             .             .            .
BA          BA              1         0.50           .            0.50         0.50
HCO3        HCO3            1         1.00           .            1.00         1.00
BOD         BOD             1       150.00           .          150.00       150.00
B           B               1         0.20           .            0.20         0.20
BR          BR              1         0.10           .            0.10         0.10
TCOLIF      TCOLIF          0          .             .             .            .
CD          CD              0          .             .             .            .
CA          CA              1         3.40           .            3.40         3.40
CO3         CO3             1       250.00           .          250.00       250.00
CL          CL              1       390.00           .          390.00       390.00
CR          CR              1         0.02           .            0.02         0.02
COD         COD             1        56.00           .           56.00        56.00
CU          CU              1         0.07           .            0.07         0.07
DO          DO              1         5.66           .            5.66         5.66
DOC         DOC             1        27.00           .           27.00        27.00
LAS         LAS             0          .             .             .            .
F           F               1         3.00           .            3.00         3.00
HARD        HARD            1        14.00           .           14.00        14.00
FE          FE              1         1.60           .            1.60         1.60
KJN         KJN             1         7.80           .            7.80         7.80
PB          PB              1         0.02           .            0.02         0.02
LI          LI              1         0.30           .            0.30         0.30
MG          MG              1         1.40           .            1.40         1.40
MN          MN              1         0.02           .            0.02         0.02
HG          HG              1         0.00           .            0.00         0.00
MOLY        MOLY            1         0.03           .            0.03         0.03
NI          NI              1         0.06           .            0.06         0.06
NO3         NO3             1         0.50           .            0.50         0.50
OLGR        OLGR            1        10.00           .           10.00        10.00
S2O3        S2O3            0          .             .             .            .
PH          PH              1                                    10.50        10.50
K           K               1        89.00           .           89.00        89.00
RA          RA              0          .             .             .            .
BTR         BTR             0          .             .             .            .
RR          RR              0          .             .             .            .
SE          SE              1         0.01           .            0.01         0.01
AG          AG              1         0.01           .            0.01         0.01
NA          NA              1       440.00           .          440.00       440.00
TDS         TDS             1      1400.00           .         1400.00      1400.00
SOLS        SOLS            0          .             .             .            .
SPC         SPC             1      2300.00           .         2300.00      2300.00
SR          SR              1         0.50           .            0.50         0.50
SO4         SO4             1       280.00           .          280.00       280.00
TEMP        TEMP            1        19.00           .           19.00        19.00
ZN          ZN              1         0.02           .            0.02         0.02
TOC         TOC             0          .             .             .            .
PHEN        PHEN            1         0.08           .            0.08         0.08
CYAN        CYAN            0          .             .             .            .
NH3         NH3             1         6.40           .            6.40         6.40
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                38
                                                       14:10 THURSDAY, JANUARY 13, 1983
                                    LOC=#D14

VARIABLE    LABEL            N          MEAN       STANDARD      MINIMUM      MAXIMUM
                                                   DEVIATION      VALUE        VALUE

PST         PST              0           .             .            .            .
SI02        SI02             1          7.50           .           7.50         7.50
U           U                0           .             .            .            .
SUSS        SUSS             0           .             .            .            .
TH          TH               0           .             .            .            .
CS          CS               0           .             .            .            .
I           I                0           .             .            .            .
SB          SB               0           .             .            .            .
ZR          ZR               0           .             .            .            .
Y           Y                0           .             .            .            .
RB          RB               0           .             .            .            .
GE          GE               0           .             .            .            .
GA          GA               0           .             .            .            .
TI          TI               0           .             .            .            .
SC          SC               0           .             .            .            .
W           W                0           .             .            .            .
CO          CO               0           .             .            .            .
V           V                0           .             .            .            .
BE          BE               0           .             .            .            .
OH          OH               0           .             .            .            .
CH          CH               0           .             .            .            .
PA          PA               0           .             .            .            .
MA          MA               0           .             .            .            .
SCN         SCN              1          0.40           .           0.40         0.40
TURB        TURB             0           .             .            .            .
FF          FF               0           .             .            .            .
TSSF        TSSF             0           .             .            .            .
R228        R228             0           .             .            .            .
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    5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                159
                                                                            14:10 THURSDAY, JANUARY 13, 1983
                                        LOC=WX17

VARIABLE    LABEL            N       MEAN       STANDARD      MINIMUM       MAXIMUM
                                                DEVIATION     VALUE         VALUE

TALK        TALK             5     1026.00       301.79        750.00       1500.00
AL          AL               5        0.24         0.17          0.10          0.50
ARS         ARS              5        0.02         0.00          0.02          0.02
FCOLIF      FCOLIF           1        1.00          .            1.00          1.00
BA          BA               5        0.66         0.36          0.50          1.30
HCO3        HCO3             5      928.00       298.11        620.00       1370.00
BOD         BOD              5       20.34        30.43          2.00         74.00
B           B                5        1.29         0.33          1.00          1.80
BR          BR               4        0.10         0.00          0.10          0.10
TCOLIF      TCOLIF           1        1.00          .            1.00          1.00
CD          CD               4        0.02         0.00          0.02          0.02
CA          CA               5        6.58         1.50          5.20          9.00
CO3         CO3              5       98.20        30.84         61.00        130.00
CL          CL               5       11.80         5.85          2.00         16.00
CR          CR               5        0.04         0.04          0.02          0.10
COD         COD              5       31.00        40.85          2.00         96.00
CU          CU               5        0.06         0.08          0.02          0.20
DO          DO               3        1.63         0.78          1.00          2.50
DOC         DOC              4       56.05       111.30          0.10        223.00
LAS         LAS              2        0.04         0.01          0.04          0.05
F           F                5       19.00         0.71         18.00         20.00
HARD        HARD             5       73.80        71.85         25.00        200.00
FE          FE               5        1.26         2.10          0.02          5.00
KJN         KJN              4        1.36         1.14          0.51          3.00
PB          PB               5        0.08         0.08          0.02          0.20
LI          LI               5        0.05         0.02          0.02          0.07
MG          MG               5        3.80         0.84          2.90          5.00
MN          MN               5        0.06         0.08          0.02          0.20
HG          HG               4        0.02         0.01          0.00          0.02
MOLY        MOLY             5        0.04         0.04          0.02          0.10
NI          NI               5        0.04         0.03          0.02          0.10
NO3         NO3              5       39.88        68.18          0.10        160.00
OLGR        OLGR             5        7.20         5.81          1.00         16.00
S2O3        S2O3             2        6.50         7.78          1.00         12.00
PH          PH               3                                   8.20          9.00
K           K                5        2.14         1.30          0.20          3.10
RA          RA               4        5.85         5.32          0.60         12.00
BTR         BTR              4        5.75         3.77          3.00         11.00
RR          RR               0         .            .             .             .
SE          SE               3        0.02         0.00          0.02          0.02
AG          AG               5        0.01         0.01          0.01          0.02
NA          NA               5      770.00       799.69        380.00       2200.00
TDS         TDS              1      980.00          .          980.00        980.00
SOLS        SOLS             3      990.00       105.36        880.00       1090.00
SPC         SPC              3     1566.67       125.83       1450.00       1700.00
SR          SR               5        0.94         0.15          0.70          1.10
SO4         SO4              5       87.20       126.87          5.00        300.00
TEMP        TEMP             3       16.00         0.00         16.00         16.00
ZN          ZN               5        0.23         0.43          0.02          1.00
TOC         TOC              3      102.33       114.04         35.00        234.00
PHEN        PHEN             4        0.01         0.01          0.00          0.03
CYAN        CYAN             0         .            .             .             .
NH3         NH3              4        1.59         0.52          1.30          2.36
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                          160
                                                                  14:10 THURSDAY, JANUARY 13, 1983
                                        LOC=WX17

VARIABLE   LABEL          N       MEAN       STANDARD      MINIMUM      MAXIMUM
                                             DEVIATION      VALUE        VALUE

PST        PST            0         .            .            .            .
SIO2       SIO2           0         .            .            .            .
U          U              0         .            .            .            .
SUSS       SUSS           0         .            .            .            .
TH         TH             0         .            .            .            .
CS         CS             0         .            .            .            .
I          I              0         .            .            .            .
SB         SB             0         .            .            .            .
ZR         ZR             0         .            .            .            .
Y          Y              0         .            .            .            .
RB         RB             0         .            .            .            .
GE         GE             0         .            .            .            .
GA         GA             0         .            .            .            .
TI         TI             0         .            .            .            .
SC         SC             0         .            .            .            .
W          W              0         .            .            .            .
CU         CU             1       0.02           .          0.02         0.02
V          V              0         .            .            .            .
BE         BE             0         .            .            .            .
OH         OH             0         .            .            .            .
CH         CH             0         .            .            .            .
PA         PA             0         .            .            .            .
MA         MA             0         .            .            .            .
SCN        SCN            0         .            .            .            .
TURB       TURB           0         .            .            .            .
FF         FF             0         .            .            .            .
TSSF       TSSF           0         .            .            .            .
R228       R228           0         .            .            .            .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                     59
                                                             14:10 THURSDAY, JANUARY 13, 1983
                                  LOC=WE17

VARIABLE   LABEL          N       MEAN       STANDARD      MINIMUM       MAXIMUM
                                             DEVIATION      VALUE         VALUE

TALK       TALK           1     1500.00          .        1600.00       1600.00
AL         AL             1        0.10          .           0.10          0.10
ARS        ARS            1        0.02          .           0.02          0.02
FCOLIF     FCOLIF         0         .            .            .             .
BA         BA             1        2.60          .           2.60          2.60
HCO3       HCO3           1        1.00          .           1.00          1.00
BOD        BOD            1      150.00          .         150.00        150.00
B          B              1        0.20          .           0.20          0.20
BR         BR             1        0.10          .           0.10          0.10
TCOLIF     TCOLIF         0         .            .            .             .
CD         CD             0         .            .            .             .
CA         CA             1      990.00          .         990.00        990.00
CO3        CO3            1     1600.00          .        1600.00       1600.00
CL         CL             1     2100.00          .        2100.00       2100.00
CR         CR             1        0.02          .           0.02          0.02
COD        COD            1      180.00          .         180.00        180.00
CU         CU             1        0.20          .           0.20          0.20
DO         DO             1        5.95          .           5.95          5.95
DOC        DOC            1       34.00          .          34.00         34.00
LAS        LAS            0         .            .            .             .
F          F              1        1.20          .           1.20          1.20
HARD       HARD           1     2500.00          .        2500.00       2500.00
FE         FE             1        0.60          .           0.60          0.60
KJN        KJN            1       10.00          .          10.00         10.00
PB         PB             1        1.00          .           1.00          1.00
LI         LI             1        1.20          .           1.20          1.20
MG         MG             1        0.50          .           0.50          0.50
MN         MN             1        0.02          .           0.02          0.02
HG         HG             1        0.00          .           0.00          0.00
MOLY       MOLY           1        0.20          .           0.20          0.20
NI         NI             1        0.08          .           0.08          0.08
NO3        NO3            1        0.50          .           0.50          0.50
OLGR       OLGR           1       10.00          .          10.00         10.00
S2O3       S2O3           0         .            .            .             .
PH         PH             1                      .          11.90         11.90
K          K              1      330.00          .         330.00        330.00
RA         RA             0         .            .            .             .
STR        STR            0         .            .            .             .
RR         RR             0         .            .            .             .
SE         SE             1        0.01          .           0.01          0.01
AG         AG             1        0.01          .           0.01          0.01
NA         NA             1      800.00          .         800.00        800.00
TDS        TDS            1     4600.00          .        4600.00       4600.00
SOLS       SOLS           0         .            .            .             .
SPC        SPC            1    10570.00          .       10570.00      10570.00
SR         SR             1       25.00          .          26.00         25.00
SO4        SO4            1        5.00          .           5.00          5.00
TEMP       TEMP           1       23.00          .          23.00         23.00
ZN         ZN             1        0.20          .           0.20          0.20
TOC        TOC            0         .            .            .             .
PHEN       PHEN           1        0.03          .           0.03          0.03
CYAN       CYAN           0         .            .            .             .
MBS        MBS            1        4.90          .           4.90          4.90
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                    60
                                                        14:10 THURSDAY, JANUARY 13, 1983
                              LOC=WE17

VARIABLE  LABEL          N      MEAN       STANDARD      MINIMUM       MAXIMUM
                                           DEVIATION      VALUE         VALUE

PST       PST            0       .             .            .             .
SIO2      SIO2           1      1.00           .           1.00          1.00
U         U              0       .             .            .             .
SUSS      SUSS           0       .             .            .             .
TH        TH             0       .             .            .             .
CS        CS             0       .             .            .             .
I         I              0       .             .            .             .
SB        SB             0       .             .            .             .
ZR        ZR             0       .             .            .             .
Y         Y              0       .             .            .             .
RB        RB             0       .             .            .             .
GE        GE             0       .             .            .             .
GA        GA             0       .             .            .             .
TI        TI             0       .             .            .             .
SC        SC             0       .             .            .             .
W         W              0       .             .            .             .
CO        CO             0       .             .            .             .
V         V              0       .             .            .             .
BE        BE             0       .             .            .             .
AM        AM             0       .             .            .             .
CM        CM             0       .             .            .             .
PA        PA             0       .             .            .             .
RA        RA             0       .             .            .             .
SCN       SCN            1      0.90           .           0.90          0.90
TURB      TURB           0       .             .            .             .
FF        FF             0       .             .            .             .
TSSF      TSSF           0       .             .            .             .
R228      R228           0       .             .            .             .
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             5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                        39
                                                                                       14:10 THURSDAY, JANUARY 13, 1983
                                          LOC=W017

VARIABLE    LABEL          N       MEAN        STANDARD      MINIMUM       MAXIMUM
                                               DEVIATION      VALUE         VALUE

TALK        TALK           1     1600.00           .         1600.00       1600.00
AL          AL             1        0.50           .            0.50          0.50
ARS         ARS            1        0.04           .            0.04          0.04
FCOLIF      FCOLIF         0         .             .             .             .
BA          BA             1        0.50           .            0.50          0.50
HCO3        HCO3           1        1.00           .            1.00          1.00
BOD         BOD            1      150.00           .          150.00        150.00
B           B              1        4.80           .            4.80          4.80
BR          BR             1        0.10           .            0.10          0.10
TCOLIF      TCOLIF         0         .             .             .             .
CD          CD             0         .             .             .             .
CA          CA             1        1.90           .            1.90          1.90
CO3         CO3            1     1500.00           .         1500.00       1500.00
CL          CL             1      220.00           .          220.00        220.00
CR          CR             1        0.02           .            0.02          0.02
COD         COD            1       50.00           .           50.00         50.00
CU          CU             1        0.03           .            0.03          0.03
DO          DO             1        6.11           .            6.11          6.11
DOC         DOC            1       18.00           .           18.00         18.00
LAS         LAS            0         .             .             .             .
F           F              1       20.00           .           20.00         20.00
HARD        HARD           1       10.00           .           10.00         10.00
FE          FE             1        0.40           .            0.40          0.40
KJN         KJN            1        4.70           .            4.70          4.70
PB          PB             1        0.02           .            0.02          0.02
LI          LI             1        0.50           .            0.50          0.50
MG          MG             1        0.50           .            0.50          0.50
MN          MN             1        0.02           .            0.02          0.02
HG          HG             1        0.00           .            0.00          0.00
MOLY        MOLY           1        0.20           .            0.20          0.20
NI          NI             1        0.02           .            0.02          0.02
NO3         NO3            1        1.10           .            1.10          1.10
OLGR        OLGR           1       10.00           .           10.00         10.00
S2O3        S2O3           0         .             .             .             .
PH          PH             1                       .           10.40         10.40
K           K              1       33.00           .           33.00         33.00
RA          RA             0         .             .             .             .
BTR         BTR            0         .             .             .             .
RR          RR             0         .             .             .             .
SE          SE             1        0.01           .            0.01          0.01
AG          AG             1        0.01           .            0.01          0.01
NA          NA             1      980.00           .          980.00        980.00
TDS         TDS            1     1900.00           .         1900.00       1900.00
SOLS        SOLS           0         .             .             .             .
SPC         SPC            1     3810.00           .         3810.00       3810.00
SR          SR             1        0.50           .            0.50          0.50
SO4         SO4            1      250.00           .          250.00        250.00
TEMP        TEMP           1       23.00           .           23.00         23.00
ZN          ZN             1        0.02           .            0.02          0.02
TOC         TOC            0         .             .             .             .
PHEN        PHEN           1        0.07           .            0.07          0.07
CYAN        CYAN           0         .             .             .             .
NH3         NH3            1        4.60           .            4.60          4.60
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                5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                             40
                                                                                    14:10 THURSDAY, JANUARY 13, 1983
                                                LOC=W017

VARIABLE    LABEL            N          MEAN        STANDARD         MINIMUM        MAXIMUM
                                                    DEVIATION         VALUE          VALUE

PST         PST              0            .              .              .              .
SIO2        SIO2             1          22.00            .            22.00          22.00
U           U                0            .              .              .              .
SUSS        SUSS             0            .              .              .              .
TH          TH               0            .              .              .              .
CS          CS               0            .              .              .              .
I           I                0            .              .              .              .
SB          SB               0            .              .              .              .
ZR          ZR               0            .              .              .              .
Y           Y                0            .              .              .              .
RB          RB               0            .              .              .              .
GE          GE               0            .              .              .              .
GA          GA               0            .              .              .              .
TI          TI               0            .              .              .              .
SC          SC               0            .              .              .              .
W           W                0            .              .              .              .
CO          CO               0            .              .              .              .
V           V                0            .              .              .              .
BE          BE               0            .              .              .              .
OH          OH               0            .              .              .              .
CH          CH               0            .              .              .              .
PA          PA               0            .              .              .              .
MA          MA               0            .              .              .              .
SCN         SCN              1           0.10            .             0.10           0.10
TURB        TURB             0            .              .              .              .
FF          FF               0            .              .              .              .
TSSF        TSSF             0            .              .              .              .
R228        R228             0            .              .              .              .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                  161
                                                                       14:10 THURSDAY, JANUARY 13, 1983
                               LOC=#X18

VARIABLE   LABEL           N        MEAN        STANDARD       MINIMUM       MAXIMUM
                                                DEVIATION       VALUE         VALUE

TALK       TALK            2       420.00        28.28        400.00        440.00
AL         AL              2         0.10         0.00          0.10          0.10
ARS        ARS             2         0.02         0.00          0.02          0.02
FCOLIF     FCOLIF          0          .            .             .             .
BA         BA              2         0.50         0.00          0.50          0.50
HCO3       HCO3            2       335.00        49.50        300.00        370.00
BOD        BOD             2        10.20        12.45          1.40         19.00
B          B               2         0.65         0.64          0.20          1.10
BR         BR              2         0.10         0.00          0.10          0.10
TCOLIF     TCOLIF          0          .            .             .             .
CD         CD              0          .            .             .             .
CA         CA              2        27.80        32.81          4.60         51.00
CO3        CO3             2        85.00        21.21         70.00        100.00
CL         CL              2        21.10        23.90          4.20         38.00
CR         CR              2         0.02         0.00          0.02          0.02
COD        COD             2        15.00        15.56          4.00         26.00
CU         CU              2         0.02         0.00          0.02          0.02
DO         DO              1         4.60          .            4.60          4.60
DOC        DOC             2         2.50         0.71          2.00          3.00
LAS        LAS             0          .            .             .             .
F          F               2         5.05         1.20          4.20          5.90
HARD       HARD            2       194.50       177.48         69.00        320.00
FE         FE              2         0.11         0.13          0.02          0.20
KJN        KJN             2         1.15         1.48          0.10          2.20
PB         PB              2         0.02         0.00          0.02          0.02
LI         LI              2         0.05         0.00          0.05          0.05
MG         MG              2        30.00        22.63         14.00         46.00
MN         MN              2         0.03         0.01          0.02          0.04
HG         HG              2         0.01         0.01          0.00          0.02
MOLY       MOLY            2         0.01         0.01          0.01          0.02
NI         NI              2         0.02         0.00          0.02          0.02
NO3        NO3             2         8.25        10.96          0.50         16.00
OLGR       OLGR            2         2.00         0.00          2.00          2.00
S2O3       S2O3            0          .            .             .             .
PH         PH              1                       .            7.60          7.60
K          K               2         0.40         0.00          0.40          0.40
RA         RA              2         2.55         2.76          0.60          4.50
BTR        BTR             1        28.00          .           28.00         28.00
RR         RR              1         1.70          .            1.70          1.70
SE         SE              2         0.01         0.01          0.01          0.02
AG         AG              2         0.01         0.00          0.01          0.01
NA         NA              2       145.00         7.07        140.00        150.00
TDS        TDS             2       600.00       240.42        430.00        770.00
SOLS       SOLS            0          .            .             .             .
SPC        SPC             1      1110.00          .         1110.00       1110.00
SR         SR              2         8.20         6.79          3.40         13.00
SO4        SO4             2        88.00       115.97          6.00        170.00
TEMP       TEMP            1        17.50          .           17.50         17.50
ZN         ZN              2         0.01         0.01          0.01          0.02
TOC        TOC             0          .            .             .             .
PHEN       PHEN            2         0.00         0.00          0.00          0.00
CYAN       CYAN            0          .            .             .             .
NH3        NH3             2         0.07         0.04          0.04          0.10
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        5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                  162
                                                                                  14:10 THURSDAY, JANUARY 13, 1983
                                     LOC=WA18

VARIABLE   LABEL           N        MEAN        STANDARD      MINIMUM       MAXIMUM
                                                DEVIATION      VALUE         VALUE

PST        PST             0          .             .             .             .
SIO2       SIO2            0          .             .             .             .
U          U               0          .             .             .             .
SUSS       SUSS            0          .             .             .             .
TH         TH              0          .             .             .             .
CS         CS              0          .             .             .             .
I          I               0          .             .             .             .
SB         SB              0          .             .             .             .
ZR         ZR              0          .             .             .             .
Y          Y               0          .             .             .             .
RB         RB              0          .             .             .             .
GE         GE              0          .             .             .             .
GA         GA              0          .             .             .             .
TI         TI              0          .             .             .             .
SC         SC              0          .             .             .             .
W          W               0          .             .             .             .
CO         CO              2        0.02          0.00          0.02          0.02
V          V               0          .             .             .             .
BE         BE              0          .             .             .             .
OH         OH              0          .             .             .             .
CH         CH              0          .             .             .             .
PA         PA              0          .             .             .             .
MA         MA              0          .             .             .             .
SCN        SCN             0          .             .             .             .
TURB       TURB            0          .             .             .             .
FF         FF              0          .             .             .             .
TSSF       TSSF            0          .             .             .             .
R228       R228            0          .             .             .             .
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                                        LOC=WE18

VARIABLE    LABEL           N        MEAN        STANDARD        MINIMUM         MAXIMUM
                                                 DEVIATION        VALUE           VALUE

TALK        TALK            1      460.00            .            460.00          460.00
AL          AL              1        0.10            .              0.10            0.10
ARS         ARS             1        0.02            .              0.02            0.02
FCOLIF      FCOLIF          0         .              .               .               .
BA          BA              1        0.50            .              0.50            0.50
HCO3        HCO3            1      460.00            .            460.00          460.00
BOD         BOD             1      150.00            .            150.00          150.00
B           B               1        0.20            .              0.20            0.20
BR          BR              1        0.60            .              0.60            0.60
TCOLIF      TCOLIF          0         .              .               .               .
CD          CD              0         .              .               .               .
CA          CA              1       51.00            .             51.00           51.00
CO3         CO3             1        1.00            .              1.00            1.00
CL          CL              1       16.00            .             16.00           16.00
CR          CR              1        0.02            .              0.02            0.02
COD         COD             1      344.00            .            344.00          344.00
CU          CU              1        0.02            .              0.02            0.02
DO          DO              1        1.10            .              1.10            1.10
DOC         DOC             1        2.00            .              2.00            2.00
LAS         LAS             0         .              .               .               .
F           F               1        2.00            .              2.00            2.00
HARD        HARD            1      410.00            .            410.00          410.00
FE          FE              1        0.20            .              0.20            0.20
KJN         KJN             1        1.40            .              1.40            1.40
PB          PB              1        0.02            .              0.02            0.02
LI          LI              1        0.07            .              0.07            0.07
MG          MG              1       68.00            .             68.00           68.00
MN          MN              1        0.20            .              0.20            0.20
HG          HG              1        0.00            .              0.00            0.00
MOLY        MOLY            1        0.03            .              0.03            0.03
NI          NI              1        0.04            .              0.04            0.04
NO3         NO3             1        0.50            .              0.50            0.50
OLGR        OLGR            1        6.00            .              6.00            6.00
S2O3        S2O3            0         .              .               .               .
PH          PH              1                        .              7.77            7.77
K           K               1        3.20            .              3.20            3.20
RA          RA              0         .              .               .               .
BTR         BTR             0         .              .               .               .
RR          RR              0         .              .               .               .
SE          SE              1        0.01            .              0.01            0.01
AG          AG              1        0.01            .              0.01            0.01
NA          NA              1      170.00            .            170.00          170.00
TDS         TDS             1      910.00            .            910.00          910.00
SOLS        SOLS            0         .              .               .               .
SPC         SPC             1     1220.00            .           1220.00         1220.00
SR          SR              1       11.00            .             11.00           11.00
SO4         SO4             1      310.00            .            310.00          310.00
TEMP        TEMP            1       21.00            .             21.00           21.00
ZN          ZN              1        0.04            .              0.04            0.04
TOC         TOC             0         .              .               .               .
PHEN        PHEN            1        0.00            .              0.00            0.00
CYAN        CYAN            0         .              .               .               .
NH3         NH3             1        0.40            .              0.40            0.40
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                   62
                                                                          14:10 THURSDAY, JANUARY 13, 1983
                                        LOC=WE18

VARIABLE   LABEL            N          MEAN         STANDARD        MINIMUM       MAXIMUM
                                                    DEVIATION        VALUE         VALUE

PST        PST              0            .              .              .             .
SIO2       SIO2             1          16.00            .            16.00         16.00
U          U                0            .              .              .             .
SUSS       SUSS             0            .              .              .             .
TH         TH               0            .              .              .             .
CS         CS               0            .              .              .             .
I          I                0            .              .              .             .
SB         SB               0            .              .              .             .
ZR         ZR               0            .              .              .             .
Y          Y                0            .              .              .             .
RB         RB               0            .              .              .             .
GE         GE               0            .              .              .             .
GA         GA               0            .              .              .             .
TI         TI               0            .              .              .             .
SC         SC               0            .              .              .             .
W          W                0            .              .              .             .
CU         CU               0            .              .              .             .
V          V                0            .              .              .             .
BE         BE               0            .              .              .             .
OH         OH               0            .              .              .             .
CH         CH               0            .              .              .             .
PA         PA               0            .              .              .             .
MA         MA               0            .              .              .             .
SCN        SCN              1          0.10             .             0.10          0.10
TURB       TURB             0            .              .              .             .
FF         FF               0            .              .              .             .
TSSF       TSSF             0            .              .              .             .
R228       R228             0            .              .              .             .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

                                   LOC=W018

VARIABLE   LABEL           N      MEAN      STANDARD      MINIMUM      MAXIMUM
                                            DEVIATION      VALUE        VALUE

TALK       TALK            1     440.00         .          440.00       440.00
AL         AL              1       0.10         .            0.10         0.10
ARS        ARS             1       0.02         .            0.02         0.02
FCOLIF     FCOLIF          0        .           .             .            .
BA         BA              1       0.50         .            0.50         0.50
HCO3       HCO3            1     440.00         .          440.00       440.00
BOD        BOD             1     150.00         .          150.00       150.00
B          B               1       0.10         .            0.10         0.10
BR         BR              1       0.90         .            0.90         0.90
TCOLIF     TCOLIF          0        .           .             .            .
CD         CD              0        .           .             .            .
CA         CA              1      45.00         .           45.00        45.00
CO3        CO3             1       1.00         .            1.00         1.00
CL         CL              1       6.10         .            6.10         6.10
CR         CR              1       0.02         .            0.02         0.02
COD        COD             1     229.00         .          229.00       229.00
CU         CU              1       0.02         .            0.02         0.02
DO         DO              1       1.06         .            1.06         1.06
DOC        DOC             1       1.00         .            1.00         1.00
LAS        LAS             0        .           .             .            .
F          F               1       1.80         .            1.80         1.80
HARD       HARD            1     370.00         .          370.00       370.00
FE         FE              1       0.50         .            0.50         0.50
KJN        KJN             1       0.70         .            0.70         0.70
PB         PB              1       0.02         .            0.02         0.02
LI         LI              1       0.07         .            0.07         0.07
MG         MG              1      63.00         .           63.00        63.00
MN         MN              1       0.20         .            0.20         0.20
HG         HG              1       0.00         .            0.00         0.00
MOLY       MOLY            1       0.02         .            0.02         0.02
NI         NI              1       0.05         .            0.05         0.05
NO3        NO3             1       0.50         .            0.50         0.50
OLGR       OLGR            1     108.00         .          108.00       108.00
S2O3       S2O3            0        .           .             .            .
PH         PH              1                    .            7.15         7.15
K          K               1       0.60         .            0.60         0.60
RA         RA              0        .           .             .            .
BTR        BTR             0        .           .             .            .
RR         RR              0        .           .             .            .
SE         SE              1       0.01         .            0.01         0.01
AG         AG              1       0.01         .            0.01         0.01
NA         NA              1     160.00         .          160.00       160.00
TDS        TDS             1     830.00         .          830.00       830.00
SOLS       SOLS            0        .           .             .            .
SPC        SPC             1    1150.00         .         1150.00      1150.00
SR         SR              1      11.00         .           11.00        11.00
SO4        SO4             1     270.00         .          270.00       270.00
TEMP       TEMP            1      19.00         .           19.00        19.00
ZN         ZN              1       0.08         .            0.08         0.08
TOC        TOC             0        .           .             .            .
PHEN       PHEN            1       0.00         .            0.00         0.00
CYAN       CYAN            0        .           .             .            .
NH3        NH3             1       0.40         .            0.40         0.40
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          5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                        42
                                                                            14:10 THURSDAY, JANUARY 13, 1983
                                             LOC=WD18

VARIABLE   LABEL            N        MEAN        STANDARD        MINIMUM       MAXIMUM
                                                 DEVIATION        VALUE         VALUE

PST        PST              0          .             .              .             .
SIO2       SIO2             1        20.00           .            20.00         20.00
U          U                0          .             .              .             .
SUSS       SUSS             0          .             .              .             .
TH         TH               0          .             .              .             .
CS         CS               0          .             .              .             .
I          I                0          .             .              .             .
SB         SB               0          .             .              .             .
ZR         ZR               0          .             .              .             .
Y          Y                0          .             .              .             .
RB         RB               0          .             .              .             .
GE         GE               0          .             .              .             .
GA         GA               0          .             .              .             .
TI         TI               0          .             .              .             .
SC         SC               0          .             .              .             .
W          W                0          .             .              .             .
CO         CO               0          .             .              .             .
V          V                0          .             .              .             .
BE         BE               0          .             .              .             .
OH         OH               0          .             .              .             .
CH         CH               0          .             .              .             .
PA         PA               0          .             .              .             .
MA         MA               0          .             .              .             .
SCN        SCN              1         0.10           .             0.10          0.10
TURB       TURB             0          .             .              .             .
FF         FF               0          .             .              .             .
TSSF       TSSF             0          .             .              .             .
R228       R228             0          .             .              .             .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                          163
                                                                   14:10 THURSDAY, JANUARY 13, 1983
                                LOC=WX19

VARIABLE   LABEL          N        MEAN      STANDARD      MINIMUM      MAXIMUM
                                             DEVIATION      VALUE        VALUE

TALK       TALK           5     1140.00        482.70       400.00      1500.00
AL         AL             5        0.08          0.04         0.02         0.10
ARS        ARS            5        0.02          0.00         0.02         0.02
FCOLIF     FCOLIF         1        1.00           .           1.00         1.00
BA         BA             5        2.20          1.02         1.00         3.40
HCO3       HCO3           5      990.00        418.57       330.00      1300.00
BOD        BOD            5        5.86          4.75         2.00        14.00
B          B              5        1.24          0.29         1.00         1.70
BR         BR             5        0.10          0.00         0.10         0.10
TCOLIF     TCOLIF         1        1.00           .           1.00         1.00
CD         CD             3        0.02          0.00         0.02         0.02
CA         CA             5        7.28          2.42         4.00        10.00
CO3        CO3            5      149.60         69.14        68.00       200.00
CL         CL             5        9.68          7.52         1.60        18.00
CR         CR             5        0.04          0.04         0.02         0.10
COD        COD            5       26.24         22.61         2.00        57.00
CU         CU             5        0.06          0.08         0.02         0.20
DO         DO             2        1.25          1.06         0.50         2.00
DOC        DOC            4        3.82          4.31         0.10        10.00
LAS        LAS            2        0.04          0.01         0.04         0.05
F          F              5       23.60          0.89        23.00        25.00
HARD       HARD           5       39.00         11.27        27.00        50.00
FE         FE             5        1.21          2.13         0.02         5.00
KJN        KJN            4        2.24          1.43         1.00         4.20
PB         PB             5        0.04          0.03         0.02         0.10
LI         LI             5        0.08          0.02         0.06         0.10
MG         MG             5        2.94          0.73         2.00         4.00
MN         MN             5        0.06          0.08         0.02         0.20
HG         HG             5        0.02          0.00         0.01         0.02
MOLY       MOLY           5        0.06          0.08         0.02         0.20
NI         NI             5        0.04          0.04         0.02         0.10
NO3        NO3            5        1.86          2.44         0.10         5.00
OLGR       OLGR           5       25.02         27.99         0.10        70.00
S2O3       S2O3           2        5.50          6.36         1.00        10.00
PH         PH             2                                   7.90         8.70
K          K              5        1.18          0.49         0.70         2.00
RA         RA             5        2.98          2.32         0.90         6.00
HTR        BTR            4       10.75          9.29         3.00        24.00
RN         RN             0         .             .            .            .
SE         SE             4        0.02          0.00         0.02         0.02
AG         AG             5        0.01          0.01         0.01         0.02
NA         NA             5     1062.00        694.06       700.00      2300.00
TDS        TDS            2     1800.00          0.00      1800.00      1800.00
SOLS       SOLS           2     1750.00         70.71      1700.00      1800.00
SPC        SPC            2     2800.00        141.42      2700.00      2900.00
SR         SR             5        1.82          0.18         1.60         2.00
SO4        SO4            5       21.20         34.01         5.00        82.00
TEMP       TEMP           2       13.00          7.07         8.00        18.00
ZN         ZN             5        0.06          0.04         0.02         0.10
TOC        TOC            3       27.00         26.51         4.00        56.00
PHEN       PHEN           5        0.02          0.03         0.00         0.07
CYAN       CYAN           0         .             .            .            .
NH3        NH3            5        1.74          0.42         1.20         2.20
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                          164
                                                                 14:10 THURSDAY, JANUARY 13, 1983
                                          LOC=#X19

VARIABLE    LABEL          N        MEAN       STANDARD      MINIMUM      MAXIMUM
                                               DEVIATION      VALUE        VALUE

PST         PST            0          .            .            .            .
SIO2        SIO2           0          .            .            .            .
U           U              0          .            .            .            .
SUSS        SUSS           0          .            .            .            .
TH          TH             0          .            .            .            .
CS          CS             0          .            .            .            .
I           I              0          .            .            .            .
SB          SB             0          .            .            .            .
ZR          ZR             0          .            .            .            .
Y           Y              0          .            .            .            .
RB          RB             0          .            .            .            .
GE          GE             0          .            .            .            .
GA          GA             0          .            .            .            .
TI          TI             0          .            .            .            .
SC          SC             0          .            .            .            .
W           W              0          .            .            .            .
CU          CU             2        0.02         0.00         0.02         0.02
V           V              0          .            .            .            .
BE          BE             0          .            .            .            .
UH          UH             0          .            .            .            .
CH          CH             0          .            .            .            .
PA          PA             0          .            .            .            .
MA          MA             0          .            .            .            .
SCN         SCN            0          .            .            .            .
TURB        TURB           0          .            .            .            .
FF          FF             0          .            .            .            .
TSSF        TSSF           0          .            .            .            .
R228        R228           0          .            .            .            .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                              165
                                                                     14:10 THURSDAY, JANUARY 13, 1983
                                            LOC=WX20

VARIABLE   LABEL          N      MEAN      STANDARD      MINIMUM      MAXIMUM
                                           DEVIATION      VALUE        VALUE

TALK       TALK           4    1692.50      293.64      1500.00      2120.00
AL         AL             4       0.17        0.15         0.10         0.40
ARS        ARS            4       0.06        0.09         0.02         0.20
FCOLIF     FCOLIF         1       1.00         .           1.00         1.00
BA         BA             4       2.00        0.82         1.00         3.00
HCO3       HCO3           4    1587.50      348.46      1400.00      2110.00
BOD        BOD            4       9.13        1.03         8.00        10.00
B          B              4       1.97        1.37         1.00         4.00
BR         BR             3       0.10        0.00         0.10         0.10
TCOLIF     TCOLIF         1       1.00         .           1.00         1.00
CD         CD             4       0.02        0.00         0.02         0.02
CA         CA             4       7.62        1.26         6.20         9.00
CO3        CO3            4     121.25       93.66        15.00       230.00
CL         CL             4      16.00        2.16        14.00        19.00
CR         CR             4       0.04        0.04         0.02         0.10
COD        COD            4       6.55        2.95         4.00        10.00
CU         CU             4       0.06        0.09         0.02         0.20
DO         DO             2       1.40        0.85         0.80         2.00
DOC        DOC            3       0.40        0.52         0.10         1.00
LAS        LAS            2       0.04        0.01         0.04         0.05
F          F              4      22.75        0.96        22.00        24.00
HARD       HARD           4      53.00       15.36        40.00        70.00
FE         FE             4       1.41        2.40         0.06         5.00
KJN        KJN            3       1.54        0.99         0.93         2.68
PB         PB             4       0.05        0.03         0.02         0.10
LI         LI             4       0.08        0.02         0.05         0.10
MG         MG             4       3.05        0.82         2.00         4.00
MN         MN             4       0.06        0.09         0.02         0.20
HG         HG             3       0.01        0.01         0.00         0.02
MOLY       MOLY           4       0.07        0.09         0.02         0.20
NI         NI             4       0.04        0.04         0.02         0.10
NO3        NO3            4       4.12        3.55         0.10         8.00
OLGR       OLGR           4      11.00        6.98         3.00        20.00
S2O3       S2O3           2       9.00       11.31         1.00        17.00
PH         PH             2                                8.00         8.10
K          K              4       0.77        0.51         0.10         1.30
RA         RA             3       2.40        0.44         2.10         2.90
BTR        BTR            2       7.00        0.00         7.00         7.00
RR         RR             0        .           .            .            .
SE         SE             2       0.02        0.00         0.02         0.02
AG         AG             4       0.03        0.03         0.01         0.08
NA         NA             4    1070.00      622.79       700.00      2000.00
TDS        TDS            1    1800.00         .        1800.00      1800.00
SOLS       SOLS           4    1717.50      184.10      1470.00      1900.00
SPC        SPC            2    2200.00      565.69      1800.00      2600.00
SR         SR             4       2.10        0.62         1.60         3.00
SO4        SO4            4      12.75       13.57         5.00        33.00
TEMP       TEMP           2      16.00        2.83        14.00        18.00
ZN         ZN             4       0.04        0.04         0.02         0.10
TOC        TOC            3      41.33       36.77         1.00        73.00
PHEN       PHEN           3       0.00        0.00         0.00         0.01
CYAN       CYAN           0        .           .            .            .
NH3        NH3            3       1.53        0.33         1.30         1.90
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                    166
                                                                14:10 THURSDAY, JANUARY 13, 1983
                                     LOC=#X20

VARIABLE   LABEL          N        MEAN       STANDARD        MINIMUM       MAXIMUM
                                              DEVIATION        VALUE         VALUE

PST        PST            0          .            .              .             .
SIO2       SIO2           0          .            .              .             .
U          U              0          .            .              .             .
SUSS       SUSS           0          .            .              .             .
TH         TH             0          .            .              .             .
CS         CS             0          .            .              .             .
I          I              0          .            .              .             .
SB         SB             0          .            .              .             .
ZR         ZR             0          .            .              .             .
Y          Y              0          .            .              .             .
RB         RB             0          .            .              .             .
GE         GE             0          .            .              .             .
GA         GA             0          .            .              .             .
TI         TI             0          .            .              .             .
SC         SC             0          .            .              .             .
W          W              0          .            .              .             .
CO         CO             0          .            .              .             .
V          V              0          .            .              .             .
BE         BE             0          .            .              .             .
OH         OH             0          .            .              .             .
CH         CH             0          .            .              .             .
PA         PA             0          .            .              .             .
MA         MA             0          .            .              .             .
SCN        SCN            0          .            .              .             .
TURB       TURB           0          .            .              .             .
FF         FF             0          .            .              .             .
TSSF       TSSF           0          .            .              .             .
R226       R226           0          .            .              .             .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                   63
                                                                              14:10 THURSDAY, JANUARY 13, 1983
                                      LOC=WE20

VARIABLE    LABEL            N        MEAN        STANDARD       MINIMUM       MAXIMUM
                                                  DEVIATION       VALUE         VALUE

TALK        TALK             1      1600.00           .          1600.00       1600.00
AL          AL               1         0.10           .             0.10          0.10
ARS         ARS              1         0.02           .             0.02          0.02
FCOLIF      FCOLIF           0          .             .              .             .
BA          BA               1         0.50           .             0.50          0.50
HCO3        HCO3             1      1200.00           .          1200.00       1200.00
BOD         BOD              1       150.00           .           150.00        150.00
B           B                1         1.60           .             1.60          1.60
BR          BR               1         0.10           .             0.10          0.10
TCOLIF      TCOLIF           0          .             .              .             .
CD          CD               0          .             .              .             .
CA          CA               1         5.20           .             5.20          5.20
CO3         CO3              1       410.00           .           410.00        410.00
CL          CL               1       110.00           .           110.00        110.00
CR          CR               1         0.02           .             0.02          0.02
COD         COD              1       141.00           .           141.00        141.00
CU          CU               1         0.03           .             0.03          0.03
DO          DO               1         1.77           .             1.77          1.77
DOC         DOC              1         9.00           .             9.00          9.00
LAS         LAS              0          .             .              .             .
F           F                1        28.00           .            28.00         28.00
HARD        HARD             1        25.00           .            25.00         28.00
FE          FE               1         0.06           .             0.06          0.06
KJN         KJN              1         5.00           .             5.00          5.00
PB          PB               1         0.02           .             0.02          0.02
LI          LI               1         0.20           .             0.20          0.20
MG          MG               1         3.70           .             3.70          3.70
MN          MN               1         0.03           .             0.03          0.03
HG          HG               1         0.00           .             0.00          0.00
MOLY        MOLY             1         0.02           .             0.02          0.02
NI          NI               1         0.04           .             0.04          0.04
NO3         NO3              1         0.50           .             0.50          0.50
OLGR        OLGR             1        22.00           .            22.00         22.00
S2O3        S2O3             0          .             .              .             .
PH          PH               1                        .             8.52          8.52
K           K                1        14.00           .            14.00         14.00
RA          RA               0          .             .              .             .
SIR         SIR              0          .             .              .             .
RR          RR               0          .             .              .             .
SE          SE               1         0.01           .             0.01          0.01
AG          AG               1         0.01           .             0.01          0.01
NA          NA               1       820.00           .           820.00        820.00
TDS         TDS              1      1800.00           .          1800.00       1800.00
SOLS        SOLS             0          .             .              .             .
SPC         SPC              1      2930.00           .          2930.00       2930.00
SR          SR               1         0.60           .             0.60          0.60
SO4         SO4              1        10.00           .            10.00         10.00
TEMP        TEMP             1        23.00           .            23.00         23.00
ZN          ZN               1         0.02           .             0.02          0.02
TOC         TOC              0          .             .              .             .
PHEN        PHEN             1         0.00           .             0.00          0.00
URAN        URAN             0          .             .              .             .
NH3         NH3              1         1.40           .             1.40          1.30
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                    64
                                                                       14:10 THURSDAY, JANUARY 13, 1983
                                        LOC=WE20

VARIABLE    LABEL             N         MEAN        STANDARD        MINIMUM        MAXIMUM
                                                    DEVIATION        VALUE          VALUE

PST         PST               0           .              .             .              .
SIO2        SIO2              1         16.00            .           16.00          16.00
U           U                 0           .              .             .              .
SUSS        SUSS              0           .              .             .              .
TH          TH                0           .              .             .              .
CS          CS                0           .              .             .              .
I           I                 0           .              .             .              .
SB          SB                0           .              .             .              .
ZR          ZR                0           .              .             .              .
Y           Y                 0           .              .             .              .
RB          RB                0           .              .             .              .
GE          GE                0           .              .             .              .
GA          GA                0           .              .             .              .
TI          TI                0           .              .             .              .
SC          SC                0           .              .             .              .
W           W                 0           .              .             .              .
CO          CO                0           .              .             .              .
V           V                 0           .              .             .              .
BE          BE                0           .              .             .              .
OH          OH                0           .              .             .              .
CH          CH                0           .              .             .              .
PA          PA                0           .              .             .              .
MA          MA                0           .              .             .              .
SCN         SCN               1          0.10            .            0.10           0.10
TURB        TURB              0           .              .             .              .
FF          FF                0           .              .             .              .
TSSF        TSSF              0           .              .             .              .
R226        R226              0           .              .             .              .
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                 5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                           43
                                                                              14:10 THURSDAY, JANUARY 13, 1983
                                            LOC=WD20

VARIABLE    LABEL              N          MEAN       STANDARD        MINIMUM         MAXIMUM
                                                     DEVIATION        VALUE           VALUE

TALK        TALK               1        410.00              .         410.00          410.00
AL          AL                 1          0.10              .           0.10            0.10
ARS         ARS                1          0.02              .           0.02            0.02
FCOLIF      FCOLIF             0           .                .            .               .
BA          BA                 1          0.50              .           0.50            0.50
HCO3        HCO3               1        240.00              .         240.00          240.00
BOD         BOD                1        150.00              .         150.00          150.00
B           B                  1          0.20              .           0.20            0.20
BR          BR                 1          0.40              .           0.40            0.40
TCOLIF      TCOLIF             0           .                .            .               .
CD          CD                 0           .                .            .               .
CA          CA                 1          7.50              .           7.50            7.50
CO3         CO3                1        170.00              .         170.00          170.00
CL          CL                 1         47.00              .          47.00           47.00
CR          CR                 1          0.02              .           0.02            0.02
COD         COD                1        147.00              .         147.00          147.00
CU          CU                 1          0.02              .           0.02            0.02
DO          DO                 1          2.63              .           2.63            2.63
DOC         DOC                1         32.00              .          32.00           32.00
LAS         LAS                0           .                .            .               .
F           F                  1          2.20              .           2.20            2.20
HARD        HARD               1        210.00              .         210.00          210.00
FE          FE                 1          0.02              .           0.02            0.02
KJN         KJN                1          0.70              .           0.70            0.70
PB          PB                 1          0.02              .           0.02            0.02
LI          LI                 1          0.20              .           0.20            0.20
MG          MG                 1         46.00              .          46.00           46.00
MN          MN                 1          0.04              .           0.04            0.04
HG          HG                 1          0.00              .           0.00            0.00
MOLY        MOLY               1          0.07              .           0.07            0.07
NI          NI                 1          0.03              .           0.03            0.03
NO3         NO3                1          0.50              .           0.50            0.50
OLGR        OLGR               1         20.00              .          20.00           20.00
S2O3        S2O3               0           .                .            .               .
PH          PH                 1                            .           9.19            9.19
K           K                  1          4.50              .           4.50            4.50
RA          RA                 0           .                .            .               .
BTR         BTR                0           .                .            .               .
RR          RR                 0           .                .            .               .
SE          SE                 1          0.01              .           0.01            0.01
AG          AG                 1          0.01              .           0.01            0.01
NA          NA                 1        250.00              .         250.00          250.00
TDS         TDS                1        840.00              .         840.00          840.00
SOLS        SOLS               0           .                .            .               .
SPC         SPC                1       1390.00              .        1390.00         1390.00
SR          SR                 1          0.60              .           0.60            0.60
SO4         SO4                1        260.00              .         260.00          260.00
TEMP        TEMP               1         22.00              .          22.00           22.00
ZN          ZN                 1          0.02              .           0.02            0.02
TOC         TOC                0           .                .            .               .
PHEN        PHEN               1          0.04              .           0.04            0.04
CYAN        CYAN               0           .                .            .               .
NH3         NH3                1          0.60              .           0.60            0.60
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                  44
                                                                         14:10 THURSDAY, JANUARY 13, 1983
                                          LOC=WD20

VARIABLE    LABEL            N          MEAN          STANDARD         MINIMUM        MAXIMUM
                                                      DEVIATION         VALUE          VALUE

PST         PST              0            .               .               .              .
SIO2        SIO2             1          1.00              .             1.00           1.00
U           U                0            .               .               .              .
SUSS        SUSS             0            .               .               .              .
TH          TH               0            .               .               .              .
CS          CS               0            .               .               .              .
I           I                0            .               .               .              .
SB          SB               0            .               .               .              .
ZR          ZR               0            .               .               .              .
Y           Y                0            .               .               .              .
RB          RB               0            .               .               .              .
GE          GE               0            .               .               .              .
GA          GA               0            .               .               .              .
TI          TI               0            .               .               .              .
SC          SC               0            .               .               .              .
W           W                0            .               .               .              .
CO          CO               0            .               .               .              .
V           V                0            .               .               .              .
BE          BE               0            .               .               .              .
OH          OH               0            .               .               .              .
CH          CH               0            .               .               .              .
PA          PA               0            .               .               .              .
MA          MA               0            .               .               .              .
SCN         SCN              1          0.10              .             0.10           0.10
TURB        TURB             0            .               .               .              .
FF          FF               0            .               .               .              .
TSSF        TSSF             0            .               .               .              .
R228        R228             0            .               .               .              .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                   167
                                                                          14:10 THURSDAY, JANUARY 13, 1983
                                        LOC=WX21

VARIABLE    LABEL            N        MEAN        STANDARD        MINIMUM        MAXIMUM
                                                  DEVIATION        VALUE          VALUE

TALK        TALK             4      415.00        17.32         390.00         430.00
AL          AL               4        0.12         0.05           0.10           0.20
ARS         ARS              4        0.02         0.00           0.02           0.02
FCOLIF      FCOLIF           2       21.50        28.99           1.00          42.00
BA          BA               4        0.50         0.00           0.50           0.50
HCO3        HCO3             4      342.50        23.63         310.00         360.00
BOD         BOD              4        4.15         3.91           2.00          10.00
B           B                4        0.20         0.00           0.20           0.20
BR          BR               4        0.17         0.15           0.10           0.40
TCOLIF      TCOLIF           1        1.00          .             1.00           1.00
CD          CD               2        0.02         0.00           0.02           0.02
CA          CA               4       21.00         4.24          16.00          25.00
CO3         CO3              4       72.50         9.57          60.00          80.00
CL          CL               4       11.57        13.76           2.80          32.00
CR          CR               4        0.04         0.04           0.02           0.10
COD         COD              4       12.75        11.53           2.00          28.00
CU          CU               4        0.06         0.09           0.02           0.20
DO          DO               2        4.80         3.25           2.50           7.10
DOC         DOC              2        2.50         2.12           1.00           4.00
LAS         LAS              1        0.05          .             0.05           0.05
F           F                4        8.42         0.91           7.20           9.40
HARD        HARD             4      162.50         9.57         150.00         170.00
FE          FE               4        1.38         2.42           0.02           5.00
KJN         KJN              4        0.80         0.77           0.10           1.80
PB          PB               4        0.05         0.04           0.02           0.10
LI          LI               4        0.04         0.01           0.02           0.05
MG          MG               4       22.50         5.74          15.00          27.00
MN          MN               4        0.07         0.09           0.02           0.20
HG          HG               3        0.01         0.01           0.00           0.02
MOLY        MOLY             4        0.04         0.04           0.01           0.10
NI          NI               4        0.04         0.04           0.02           0.10
NO3         NO3              4       22.15        41.27           0.10          84.00
OLGR        OLGR             4        7.50         8.50           1.00          20.00
S2O3        S2O3             1        4.00          .             4.00           4.00
PH          PH               2                                    7.80           8.80
K           K                4        0.40         0.08           0.30           0.50
RA          RA               1        0.60          .             0.60           0.60
BTR         BTR              1        6.00          .             6.00           6.00
RR          RR               0         .            .              .              .
SE          SE               2        0.01         0.01           0.01           0.02
AG          AG               4        0.03         0.04           0.01           0.10
NA          NA               4      625.00       916.68         160.00        2000.00
TDS         TDS              2      675.00         7.07         670.00         680.00
SOLS        SOLS             1      630.00          .           630.00         630.00
SPC         SPC              2     1072.50       350.02         825.00        1320.00
SR          SR               4        6.97         2.97           4.50          11.00
SO4         SO4              4       99.50        51.26          28.00         150.00
TEMP        TEMP             2       16.00         2.83          14.00          18.00
ZN          ZN               4        0.04         0.04           0.01           0.10
TOC         TOC              2       17.00        22.63           1.00          33.00
PHEN        PHEN             4        0.04         0.07           0.00           0.14
CYAN        CYAN             0         .            .              .              .
NH3         NH3              4        0.26         0.19           0.04           0.50
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                        168
                                                                  14:10 THURSDAY, JANUARY 13, 1983
                                          LOC=WX21

VARIABLE     LABEL              N          MEAN          STANDARD         MINIMUM         MAXIMUM
                                                         DEVIATION         VALUE           VALUE

PST          PST                0            .               .               .               .
SIO2         SIO2               0            .               .               .               .
U            U                  0            .               .               .               .
SUSS         SUSS               0            .               .               .               .
TH           TH                 0            .               .               .               .
CS           CS                 0            .               .               .               .
I            I                  0            .               .               .               .
SB           SB                 0            .               .               .               .
ZR           ZR                 0            .               .               .               .
Y            Y                  0            .               .               .               .
RB           RB                 0            .               .               .               .
GE           GE                 0            .               .               .               .
GA           GA                 0            .               .               .               .
TI           TI                 0            .               .               .               .
SC           SC                 0            .               .               .               .
W            W                  0            .               .               .               .
CU           CU                 2          0.02            0.00            0.02            0.02
V            V                  0            .               .               .               .
BE           BE                 0            .               .               .               .
OH           OH                 0            .               .               .               .
CH           CH                 0            .               .               .               .
PA           PA                 0            .               .               .               .
MA           MA                 0            .               .               .               .
SCN          SCN                0            .               .               .               .
TURB         TURB               0            .               .               .               .
FF           FF                 0            .               .               .               .
TSSF         TSSF               0            .               .               .               .
R226         R226               0            .               .               .               .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                 65
                                                                       14:10 THURSDAY, JANUARY 13, 1983
                                       LOC=WE21

VARIABLE   LABEL          N       MEAN      STANDARD      MINIMUM      MAXIMUM
                                            DEVIATION      VALUE        VALUE

TALK       TALK           1     1000.00         .         1000.00      1000.00
AL         AL             1        0.10         .            0.10         0.10
ARS        ARS            1        0.04         .            0.04         0.04
FCOLIF     FCOLIF         0         .           .             .            .
BA         BA             1        0.50         .            0.50         0.50
HCO3       HCO3           1      540.00         .          540.00       540.00
BOD        BOD            1      150.00         .          150.00       150.00
B          B              1        0.50         .            0.50         0.50
BR         BR             1        0.10         .            0.10         0.10
TCOLIF     TCOLIF         0         .           .             .            .
CD         CD             0         .           .             .            .
CA         CA             1        6.40         .            6.40         6.40
CO3        CO3            1      500.00         .          500.00       500.00
CL         CL             1       58.00         .           58.00        58.00
CR         CR             1        0.02         .            0.02         0.02
COD        COD            1       50.00         .           50.00        50.00
CU         CU             1        0.02         .            0.02         0.02
DO         DO             1        4.62         .            4.62         4.62
DOC        DOC            1       45.00         .           45.00        45.00
LAS        LAS            0         .           .             .            .
F          F              1       17.00         .           17.00        17.00
HARD       HARD           1       32.00         .           32.00        32.00
FE         FE             1        0.10         .            0.10         0.10
KJN        KJN            1        1.40         .            1.40         1.40
PB         PB             1        0.02         .            0.02         0.02
LI         LI             1        0.05         .            0.05         0.05
MG         MG             1        3.80         .            3.80         3.80
MN         MN             1        0.02         .            0.02         0.02
HG         HG             1        0.00         .            0.00         0.00
MOLY       MOLY           1        0.10         .            0.10         0.10
NI         NI             1        0.02         .            0.02         0.02
NO3        NO3            1        0.50         .            0.50         0.50
OLGR       OLGR           1       10.00         .           10.00        10.00
S2O3       S2O3           0         .           .             .            .
PH         PH             1                     .            9.10         9.10
K          K              1       11.00         .           11.00        11.00
RA         RA             1        2.00         .            2.00         2.00
RTR        RTR            1        8.00         .            8.00         8.00
RR         RR             0         .           .             .            .
SE         SE             1        0.01         .            0.01         0.01
AG         AG             1        0.01         .            0.01         0.01
NA         NA             1      510.00         .          510.00       510.00
TDS        TDS            1     1200.00         .         1200.00      1200.00
SOLS       SOLS           0         .           .             .            .
SPC        SPC            1     1830.00         .         1830.00      1830.00
SR         SR             1        1.20         .            1.20         1.20
SO4        SO4            1       20.00         .           20.00        20.00
TEMP       TEMP           1       23.00         .           23.00        23.00
ZN         ZN             1        0.02         .            0.02         0.02
TOC        TOC            0         .           .             .            .
PHEN       PHEN           1        0.01         .            0.01         0.01
CYAN       CYAN           0         .           .             .            .
NH3        NH3            1        1.40         .            1.40         1.40
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                  66
                                                                     14:10 THURSDAY, JANUARY 13, 1983
                                           LOC=WE21

VARIABLE    LABEL              N          MEAN         STANDARD       MINIMUM       MAXIMUM
                                                       DEVIATION       VALUE         VALUE

PST         PST                0            .               .            .             .
SIO2        SIO2               1         10.00              .         10.00         10.00
U           U                  0            .               .            .             .
SUSS        SUSS               0            .               .            .             .
TH          TH                 0            .               .            .             .
CS          CS                 0            .               .            .             .
I           I                  0            .               .            .             .
SB          SB                 0            .               .            .             .
ZR          ZR                 0            .               .            .             .
Y           Y                  0            .               .            .             .
RB          RB                 0            .               .            .             .
GE          GE                 0            .               .            .             .
GA          GA                 0            .               .            .             .
TI          TI                 0            .               .            .             .
SC          SC                 0            .               .            .             .
W           W                  0            .               .            .             .
CO          CO                 0            .               .            .             .
V           V                  0            .               .            .             .
FE          FE                 0            .               .            .             .
OM          OM                 0            .               .            .             .
CH          CH                 0            .               .            .             .
PA          PA                 0            .               .            .             .
MA          MA                 0            .               .            .             .
SCN         SCN                1          0.10              .          0.10          0.10
TURB        TURB               0            .               .            .             .
FF          FF                 0            .               .            .             .
TSSF        TSSF               0            .               .            .             .
R226        R226               0            .               .            .             .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                           45
                                                                     14:10 THURSDAY, JANUARY 13, 1983
                                   LOC=#021

VARIABLE    LABEL          N       MEAN      STANDARD     MINIMUM     MAXIMUM
                                             DEVIATION     VALUE       VALUE

TALK        TALK           1     400.00          .        400.00      400.00
AL          AL             1       0.10          .          0.10        0.10
ARS         ARS            1       0.02          .          0.02        0.02
FCOLIF      FCOLIF         0        .            .           .           .
BA          BA             1       0.50          .          0.50        0.50
HCO3        HCO3           1     310.00          .        310.00      310.00
BOD         BOD            1     150.00          .        150.00      150.00
B           B              1       0.20          .          0.20        0.20
BR          BR             1       0.10          .          0.10        0.10
TCOLIF      TCOLIF         0        .            .           .           .
CD          CD             0        .            .           .           .
CA          CA             1      19.00          .         19.00       19.00
CO3         CO3            1      94.00          .         94.00       94.00
CL          CL             1       4.60          .          4.60        4.60
CR          CR             1       0.02          .          0.02        0.02
COD         COD            1      50.00          .         50.00       50.00
CU          CU             1       0.02          .          0.02        0.02
DO          DO             1       4.65          .          4.65        4.65
DOC         DOC            1      12.00          .         12.00       12.00
LAS         LAS            0        .            .           .           .
F           F              1       8.70          .          8.70        8.70
HARD        HARD           1     130.00          .        130.00      130.00
FE          FE             1       0.02          .          0.02        0.02
KJN         KJN            1       0.50          .          0.50        0.50
PB          PB             1       0.02          .          0.02        0.02
LI          LI             1       0.05          .          0.05        0.05
MG          MG             1      20.00          .         20.00       20.00
MN          MN             1       0.07          .          0.07        0.07
HG          HG             1       0.00          .          0.00        0.00
MOLY        MOLY           1       0.01          .          0.01        0.01
NI          NI             1       0.02          .          0.02        0.02
NO3         NO3            1       0.50          .          0.50        0.50
OLGR        OLGR           1      10.00          .         10.00       10.00
S2O3        S2O3           0        .            .           .           .
PH          PH             1                     .          8.27        8.27
K           K              1       3.20          .          3.20        3.20
RA          RA             1       5.00          .          5.00        5.00
BTR         BTR            1       2.00          .          2.00        2.00
RR          RR             0        .            .           .           .
SE          SE             1       0.01          .          0.01        0.01
AG          AG             1       0.01          .          0.01        0.01
NA          NA             1     180.00          .        180.00      180.00
TDS         TDS            1     530.00          .        530.00      530.00
SOLS        SOLS           0        .            .           .           .
SPC         SPC            1     830.00          .        830.00      830.00
SR          SR             1       4.00          .          4.00        4.00
SO4         SO4            1      91.00          .         91.00       91.00
TEMP        TEMP           1      18.00          .         18.00       18.00
ZN          ZN             1       0.04          .          0.04        0.04
TOC         TOC            0        .            .           .           .
PHEN        PHEN           1       0.00          .          0.00        0.00
CYAN        CYAN           0        .            .           .           .
NH3         NH3            1       0.50          .          0.50        0.50
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                                    LOC=WD21

VARIABLE   LABEL         N        MEAN       STANDARD       MINIMUM      MAXIMUM
                                             DEVIATION       VALUE        VALUE

PST        PST           0          .            .             .            .
SIO2       SIO2          1        11.00          .           11.00        11.00
U          U             0          .            .             .            .
SUSS       SUSS          0          .            .             .            .
TH         TH            0          .            .             .            .
CS         CS            0          .            .             .            .
I          I             0          .            .             .            .
SB         SB            0          .            .             .            .
ZR         ZR            0          .            .             .            .
Y          Y             0          .            .             .            .
RB         RB            0          .            .             .            .
GE         GE            0          .            .             .            .
GA         GA            0          .            .             .            .
TI         TI            0          .            .             .            .
SC         SC            0          .            .             .            .
W          W             0          .            .             .            .
CO         CO            0          .            .             .            .
V          V             0          .            .             .            .
BE         BE            0          .            .             .            .
OH         OH            0          .            .             .            .
CH         CH            0          .            .             .            .
PA         PA            0          .            .             .            .
MA         MA            0          .            .             .            .
SCN        SCN           1         0.10          .            0.10         0.10
TURB       TURB          0          .            .             .            .
FF         FF            0          .            .             .            .
TSSF       TSSF          0          .            .             .            .
R228       R228          0          .            .             .            .
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                                  LOC=WX32

VARIABLE   LABEL         N      MEAN       STANDARD      MINIMUM      MAXIMUM
                                           DEVIATION      VALUE        VALUE

TALK       TALK          1     1200.00         .         1200.00      1200.00
AL         AL            1        0.10         .            0.10         0.10
ARS        ARS           1        0.02         .            0.02         0.02
FCOLIF     FCOLIF        0         .           .             .            .
BA         BA            1        1.00         .            1.00         1.00
HCO3       HCO3          1     1100.00         .         1100.00      1100.00
BOD        BOD           1       57.00         .           57.00        57.00
B          B             1        0.10         .            0.10         0.10
BR         BR            1        0.10         .            0.10         0.10
TCOLIF     TCOLIF        1        1.00         .            1.00         1.00
CD         CD            0         .           .             .            .
CA         CA            1        5.70         .            5.70         5.70
CO3        CO3           1      100.00         .          100.00       100.00
CL         CL            1       26.00         .           26.00        26.00
CR         CR            1        0.01         .            0.01         0.01
COD        COD           0         .           .             .            .
CU         CU            1        0.01         .            0.01         0.01
DO         DO            0         .           .             .            .
DOC        DOC           1        5.00         .            5.00         5.00
LAS        LAS           0         .           .             .            .
F          F             1       21.00         .           21.00        21.00
HARD       HARD          1       37.00         .           37.00        37.00
FE         FE            1        0.02         .            0.02         0.02
KJN        KJN           1        0.10         .            0.10         0.10
PB         PB            1        0.02         .            0.02         0.02
LI         LI            1        0.05         .            0.05         0.05
MG         MG            1        5.60         .            5.60         5.60
MN         MN            1        0.02         .            0.02         0.02
HG         HG            0         .           .             .            .
MOLY       MOLY          1        0.01         .            0.01         0.01
NI         NI            1        0.04         .            0.04         0.04
NO3        NO3           1        0.10         .            0.10         0.10
OLGR       OLGR          1        2.00         .            2.00         2.00
S2O3       S2O3          0         .           .             .            .
PH         PH            0         .           .             .            .
K          K             1        3.80         .            3.80         3.80
RA         RA            0         .           .             .            .
BTR        BTR           0         .           .             .            .
RR         RR            0         .           .             .            .
SE         SE            0         .           .             .            .
AG         AG            1        0.01         .            0.01         0.01
NA         NA            1      540.00         .          540.00       540.00
TDS        TDS           1     1400.00         .         1400.00      1400.00
SOLS       SOLS          0         .           .             .            .
SPC        SPC           0         .           .             .            .
SR         SR            1        2.80         .            2.80         2.80
SO4        SO4           1        5.00         .            5.00         5.00
TEMP       TEMP          0         .           .             .            .
ZN         ZN            1        0.01         .            0.01         0.01
TOC        TOC           0         .           .             .            .
PHEN       PHEN          1        0.00         .            0.00         0.00
CYAN       CYAN          0         .           .             .            .
NH3        NH3           1        1.50         .            1.50         1.50
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        5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                          170
                                                                          14:10 THURSDAY, JANUARY 13, 1983
                                      LOC=WX32

VARIABLE    LABEL             N           MEAN        STANDARD       MINIMUM       MAXIMUM
                                                      DEVIATION       VALUE         VALUE

PST         PST               0            .              .             .             .
SIO2        SIO2              0            .              .             .             .
U           U                 0            .              .             .             .
SUSS        SUSS              0            .              .             .             .
TH          TH                0            .              .             .             .
CS          CS                0            .              .             .             .
I           I                 0            .              .             .             .
SB          SB                0            .              .             .             .
ZR          ZR                0            .              .             .             .
Y           Y                 0            .              .             .             .
RB          RB                0            .              .             .             .
GE          GE                0            .              .             .             .
GA          GA                0            .              .             .             .
TI          TI                0            .              .             .             .
SC          SC                0            .              .             .             .
*           *                 0            .              .             .             .
CO          CO                1           0.02            .            0.02          0.02
W           V                 0            .              .             .             .
BE          BE                0            .              .             .             .
UH          UH                0            .              .             .             .
CH          CH                0            .              .             .             .
PA          PA                0            .              .             .             .
MA          MA                0            .              .             .             .
SCN         SCN               0            .              .             .             .
TURB        TURB              0            .              .             .             .
FF          FF                0            .              .             .             .
TSSF        TSSF              0            .              .             .             .
R228        R228              0            .              .             .             .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                                171
                                                                                        14:10 THURSDAY, JANUARY 13, 1983
                                           LOC=WX33

VARIABLE    LABEL          N        MEAN        STANDARD        MINIMUM        MAXIMUM
                                                DEVIATION        VALUE          VALUE

TALK        TALK           1     1100.00            .           1100.00        1100.00
AL          AL             1        0.10            .              0.10           0.10
ARS         ARS            1        0.20            .              0.20           0.20
FCOLIF      FCOLIF         0         .              .               .              .
BA          BA             1        0.80            .              0.80           0.80
HCO3        HCO3           1     1000.00            .           1000.00        1000.00
BOD         BOD            1       39.00            .             39.00          39.00
B           B              1        0.20            .              0.20           0.20
BR          BR             1        0.10            .              0.10           0.10
TCOLIF      TCOLIF         1        1.00            .              1.00           1.00
CD          CD             0         .              .               .              .
CA          CA             1        5.90            .              5.90           5.90
CO3         CO3            1      100.00            .            100.00         100.00
CL          CL             1       20.00            .             20.00          20.00
CR          CR             1        0.01            .              0.01           0.01
COD         COD            1        3.00            .              3.00           3.00
CU          CU             1        0.01            .              0.01           0.01
DO          DO             0         .              .               .              .
DOC         DOC            1        7.00            .              7.00           7.00
LAS         LAS            0         .              .               .              .
F           F              1       18.00            .             18.00          18.00
HARD        HARD           1       41.00            .             41.00          41.00
FE          FE             1        0.02            .              0.02           0.02
KJN         KJN            1        0.60            .              0.60           0.60
PB          PB             1        0.02            .              0.02           0.02
LI          LI             1        0.05            .              0.05           0.05
MG          MG             1        6.40            .              6.40           6.40
MN          MN             1        0.02            .              0.02           0.02
HG          HG             0         .              .               .              .
MOLY        MOLY           1        0.01            .              0.01           0.01
NI          NI             1        0.04            .              0.04           0.04
NO3         NO3            1        0.10            .              0.10           0.10
OLGR        OLGR           1        2.00            .              2.00           2.00
S2O3        S2O3           0         .              .               .              .
PH          PH             0         .              .               .              .
K           K              1        3.20            .              3.20           3.20
RA          RA             0         .              .               .              .
BTR         BTR            0         .              .               .              .
RR          RR             0         .              .               .              .
SE          SE             0         .              .               .              .
AG          AG             1        0.01            .              0.01           0.01
NA          NA             1      460.00            .            460.00         460.00
TDS         TDS            1     1300.00            .           1300.00        1300.00
SOLS        SOLS           0         .              .               .              .
SPC         SPC            0         .              .               .              .
SR          SR             1        2.90            .              2.90           2.90
SO4         SO4            1       11.00            .             11.00          11.00
TEMP        TEMP           0         .              .               .              .
ZN          ZN             1        0.20            .              0.20           0.20
TOC         TOC            0         .              .               .              .
PHEN        PHEN           1        0.00            .              0.00           0.00
CYAN        CYAN           0         .              .               .              .
NH3         NH3            1        1.30            .              1.30           1.30
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        5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                172
                                                                                  14:10 THURSDAY, JANUARY 13, 1983
                                        LOC=#X33

VARIABLE    LABEL                N          MEAN          STANDARD         MINIMUM          MAXIMUM
                                                          DEVIATION        VALUE            VALUE

PST         PST                  0            .                .               .                .
SIO2        SIO2                 0            .                .               .                .
U           U                    0            .                .               .                .
SUSS        SUSS                 0            .                .               .                .
TH          TH                   0            .                .               .                .
CS          CS                   0            .                .               .                .
I           I                    0            .                .               .                .
SB          SB                   0            .                .               .                .
ZR          ZR                   0            .                .               .                .
Y           Y                    0            .                .               .                .
RB          RB                   0            .                .               .                .
GE          GE                   0            .                .               .                .
GA          GA                   0            .                .               .                .
TI          TI                   0            .                .               .                .
SC          SC                   0            .                .               .                .
*           *                    0            .                .               .                .
CU          CU                   1          0.02               .             0.02             0.02
V           V                    0            .                .               .                .
BE          BE                   0            .                .               .                .
UM          UM                   0            .                .               .                .
CH          CH                   0            .                .               .                .
PA          PA                   0            .                .               .                .
MA          MA                   0            .                .               .                .
SCN         SCN                  0            .                .               .                .
TURB        TURB                 0            .                .               .                .
FF          FF                   0            .                .               .                .
TSSF        TSSF                 0            .                .               .                .
R228        R228                 0            .                .               .                .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                 173
                                                                      14:10 THURSDAY, JANUARY 13, 1983
                                  LOC=WX38

VARIABLE   LABEL       N        MEAN       STANDARD       MINIMUM       MAXIMUM
                                           DEVIATION       VALUE         VALUE

TALK       TALK        1       790.00          .          790.00        790.00
AL         AL          1         0.10          .            0.10          0.10
ARS        ARS         1         0.02          .            0.02          0.02
FCOLIF     FCOLIF      0          .            .             .             .
BA         BA          1         0.60          .            0.60          0.60
HCO3       HCO3        1         1.00          .            1.00          1.00
BOD        BOD         1       150.00          .          150.00        150.00
B          B           1         0.10          .            0.10          0.10
BR         BR          1         0.10          .            0.10          0.10
TCOLIF     TCOLIF      0          .            .             .             .
CD         CD          0          .            .             .             .
CA         CA          1       280.00          .          280.00        280.00
CO3        CO3         1       790.00          .          790.00        790.00
CL         CL          1        81.00          .           81.00         81.00
CR         CR          1         0.02          .            0.02          0.02
COD        COD         1        50.00          .           50.00         50.00
CU         CU          1         0.02          .            0.02          0.02
DO         DO          1         5.18          .            5.18          5.18
DOC        DOC         1        10.00          .           10.00         10.00
LAS        LAS         0          .            .             .             .
F          F           1         1.00          .            1.00          1.00
HARD       HARD        1       700.00          .          700.00        700.00
FE         FE          1         0.05          .            0.05          0.05
KJN        KJN         1         3.60          .            3.60          3.60
PB         PB          1         0.02          .            0.02          0.02
LI         LI          1         0.08          .            0.08          0.08
MG         MG          1         0.20          .            0.20          0.20
MN         MN          1         0.02          .            0.02          0.02
HG         HG          1         0.00          .            0.00          0.00
MOLY       MOLY        1         0.04          .            0.04          0.04
NI         NI          1         0.03          .            0.03          0.03
NO3        NO3         1         0.50          .            0.50          0.50
OLGR       OLGR        1        15.00          .           15.00         15.00
S2O3       S2O3        0          .            .             .             .
PH         PH          1                       .           12.10         12.10
K          K           1        42.00          .           42.00         42.00
RA         RA          1         1.00          .            1.00          1.00
BTR        BTR         1        30.00          .           30.00         30.00
RR         RR          0          .            .             .             .
SE         SE          1         0.01          .            0.01          0.01
AG         AG          1         0.01          .            0.01          0.01
NA         NA          1       200.00          .          200.00        200.00
TDS        TDS         1      1200.00          .         1200.00       1200.00
SOLS       SOLS        0          .            .             .             .
SPC        SPC         1      3710.00          .         3710.00       3710.00
SR         SR          1         4.80          .            4.80          4.80
SO4        SO4         1       300.00          .          300.00        300.00
TEMP       TEMP        1        20.00          .           20.00         20.00
ZN         ZN          1         0.02          .            0.02          0.02
TOC        TOC         0          .            .             .             .
PHEN       PHEN        1         0.08          .            0.08          0.08
CYAN       CYAN        0          .            .             .             .
NH3        NH3         1         2.30          .            2.30          2.30
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      5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                   174
                                                              14:10 THURSDAY, JANUARY 13, 1983
                                      LOC=WA38

VARIABLE   LABEL            N          MEAN        STANDARD       MINIMUM       MAXIMUM
                                                   DEVIATION       VALUE         VALUE

PST        PST              0           .              .             .             .
SIO2       SIO2             1          3.30            .            3.30          3.30
U          U                0           .              .             .             .
SUSS       SUSS             0           .              .             .             .
TH         TH               0           .              .             .             .
CS         CS               0           .              .             .             .
I          I                0           .              .             .             .
SB         SB               0           .              .             .             .
ZR         ZR               0           .              .             .             .
Y          Y                0           .              .             .             .
RB         RB               0           .              .             .             .
GE         GE               0           .              .             .             .
GA         GA               0           .              .             .             .
TI         TI               0           .              .             .             .
SC         SC               0           .              .             .             .
W          W                0           .              .             .             .
CO         CO               0           .              .             .             .
V          V                0           .              .             .             .
BE         BE               0           .              .             .             .
OH         OH               0           .              .             .             .
CH         CH               0           .              .             .             .
PA         PA               0           .              .             .             .
MA         MA               0           .              .             .             .
SCN        SCN              1          0.10            .            0.10          0.10
TURB       TURB             0           .              .             .             .
FF         FF               0           .              .             .             .
TSSF       TSSF             0           .              .             .             .
R228       R228             0           .              .             .             .
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              5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                   47
                                                                                       14:10 THURSDAY, JANUARY 13, 1983
                                            LOC=W041

VARIABLE   LABEL          N       MEAN      STANDARD       MINIMUM       MAXIMUM
                                            DEVIATION       VALUE         VALUE

TALK       TALK           1     410.00          .          410.00        410.00
AL         AL             1       0.10          .            0.10          0.10
ARS        ARS            1       0.02          .            0.02          0.02
FCOLIF     FCOLIF         0        .            .             .             .
BA         BA             1       0.50          .            0.50          0.50
HCO3       HCO3           1     410.00          .          410.00        410.00
BOD        BOD            1     150.00          .          150.00        150.00
B          B              1       0.10          .            0.10          0.10
BR         BR             1       0.20          .            0.20          0.20
TCOLIF     TCOLIF         0        .            .             .             .
CD         CD             0        .            .             .             .
CA         CA             1     110.00          .          110.00        110.00
CO3        CO3            1       1.00          .            1.00          1.00
CL         CL             1      12.00          .           12.00         12.00
CR         CR             1       0.02          .            0.02          0.02
COD        COD            1     110.00          .          110.00        110.00
CU         CU             1       0.02          .            0.02          0.02
DO         DO             1       1.65          .            1.65          1.65
DOC        DOC            1      26.00          .           26.00         26.00
LAS        LAS            0        .            .             .             .
F          F              1       0.10          .            0.10          0.10
HARD       HARD           1     620.00          .          620.00        620.00
FE         FE             1       0.07          .            0.07          0.07
KJN        KJN            1       0.60          .            0.60          0.60
PB         PB             1       0.02          .            0.02          0.02
LI         LI             1       0.05          .            0.05          0.05
MG         MG             1      85.00          .           85.00         85.00
MN         MN             1       0.30          .            0.30          0.30
HG         HG             1       0.00          .            0.00          0.00
MOLY       MOLY           1       0.02          .            0.02          0.02
NI         NI             1       0.03          .            0.03          0.03
NO3        NO3            1       0.50          .            0.50          0.50
OLGR       OLGR           1      10.00          .           10.00         10.00
S2O3       S2O3           0        .            .             .             .
PH         PH             1                     .            7.40          7.40
K          K              1       5.00          .            5.00          5.00
RA         RA             0        .            .             .             .
BTR        BTR            0        .            .             .             .
RR         RR             0        .            .             .             .
SE         SE             1       0.01          .            0.01          0.01
AG         AG             1       0.01          .            0.01          0.01
NA         NA             1     190.00          .          190.00        190.00
TDS        TDS            1    1300.00          .         1300.00       1300.00
SOLS       SOLS           0        .            .             .             .
SPC        SPC            1    1530.00          .         1530.00       1530.00
SR         SR             1      23.00          .           23.00         23.00
SO4        SO4            1     720.00          .          720.00        720.00
TEMP       TEMP           1      23.50          .           23.50         23.50
ZN         ZN             1       0.02          .            0.02          0.02
TOC        TOC            0        .            .             .             .
PHEN       PHEN           1       0.03          .            0.03          0.03
CYAN       CYAN           0        .            .             .             .
NH3        NH3            1       0.30          .            0.30          0.30
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 5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                     48
                                                                 14:10 THURSDAY, JANUARY 13, 1983
                                  LOC=WD41

VARIABLE   LABEL           N          MEAN        STANDARD       MINIMUM        MAXIMUM
                                                  DEVIATION       VALUE          VALUE

PST        PST             0            .              .             .              .
SIO2       SIO2            1          22.00            .           22.00          22.00
U          U               0            .              .             .              .
SUSS       SUSS            0            .              .             .              .
TH         TH              0            .              .             .              .
CS         CS              0            .              .             .              .
I          I               0            .              .             .              .
SB         SB              0            .              .             .              .
ZR         ZR              0            .              .             .              .
Y          Y               0            .              .             .              .
RB         RB              0            .              .             .              .
GE         GE              0            .              .             .              .
GA         GA              0            .              .             .              .
TI         TI              0            .              .             .              .
SC         SC              0            .              .             .              .
W          W               0            .              .             .              .
CO         CO              0            .              .             .              .
V          V               0            .              .             .              .
BE         BE              0            .              .             .              .
OH         OH              0            .              .             .              .
CH         CH              0            .              .             .              .
PA         PA              0            .              .             .              .
MA         MA              0            .              .             .              .
SCN        SCN             1           0.10            .            0.10           0.10
TURB       TURB            0            .              .             .              .
FF         FF              0            .              .             .              .
TSSF       TSSF            0            .              .             .              .
R228       R228            0            .              .             .              .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                          175
                                                                      14:10 THURSDAY, JANUARY 13, 1983
                                      LOC=WX44

VARIABLE   LABEL          N        MEAN       STANDARD      MINIMUM       MAXIMUM
                                             DEVIATION       VALUE         VALUE

TALK       TALK           6      498.33       109.26        390.00        670.00
AL         AL             6        0.20         0.24          0.10          0.70
ARS        ARS            6        0.02         0.00          0.02          0.02
FCOLIF     FCOLIF         1        1.00          .            1.00          1.00
BA         BA             6        0.65         0.37          0.50          1.40
HCO3       HCO3           6      446.67       113.43        350.00        650.00
BOD        BOD            4       45.75        69.51         10.00        150.00
B          B              6        0.30         0.13          0.09          0.40
BR         BR             6        0.10         0.00          0.10          0.10
TCOLIF     TCOLIF         1        1.00          .            1.00          1.00
CD         CD             2        0.02         0.00          0.02          0.02
CA         CA             6       36.50        17.64         11.00         57.00
CO3        CO3            6       48.50        48.99          3.00        120.00
CL         CL             6       14.40         9.20          4.60         31.00
CR         CR             5        0.02         0.00          0.02          0.02
COD        COD            6       62.17        60.25          6.00        160.00
CU         CU             6        0.02         0.00          0.02          0.02
DO         DO             2        2.60         1.41          1.60          3.60
DOC        DOC            5        4.26         6.19          0.20         15.00
LAS        LAS            1        0.05          .            0.05          0.05
F          F              6        7.23         3.82          3.20         14.00
HARD       HARD           6      272.00       133.78         72.00        420.00
FE         FE             6        0.15         0.19          0.02          0.50
KJN        KJN            4        0.79         0.18          0.55          1.00
PB         PB             6        0.06         0.07          0.02          0.20
LI         LI             6        0.05         0.01          0.04          0.07
MG         MG             6       30.65        15.81         10.92         50.00
MN         MN             6        0.09         0.06          0.06          0.20
HG         HG             6        0.01         0.01          0.00          0.02
MOLY       MOLY           6        0.03         0.04          0.01          0.10
NI         NI             5        0.04         0.04          0.02          0.10
NO3        NO3            6       29.92        42.99          0.50        100.00
OLGR       OLGR           6       13.33         8.07          4.00         26.00
S2O3       S2O3           1        5.00          .            5.00          5.00
PH         PH             4         .                         7.80          8.30
K          K              6        3.52         3.08          1.00          8.40
RA         RA             4        3.85         5.46          0.60         12.00
BTR        BTR            4       19.00        26.05          4.00         58.00
RR         RR             1        0.30          .            0.30          0.30
SE         SE             5        0.02         0.01          0.01          0.04
AG         AG             4        0.01         0.01          0.01          0.02
NA         NA             6      256.67        49.26        200.00        320.00
TDS        TDS            4      862.50        71.36        780.00        940.00
SOLS       SOLS           1      750.00          .          750.00        750.00
SPC        SPC            4     1257.50       116.15       1120.00       1400.00
SR         SR             6        5.88         4.23          0.50          9.40
SO4        SO4            6      214.67       133.70          8.00        400.00
TEMP       TEMP           3       18.40         5.92         12.20         24.00
ZN         ZN             6        0.20         0.39          0.02          1.00
TOC        TOC            2       36.50         4.95         33.00         40.00
PHEN       PHEN           6        0.01         0.02          0.00          0.04
CYAN       CYAN           0         .            .             .             .
NH3        NH3            5        0.72         0.36          0.20          1.20
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      5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                     176
                                                                          14:10 THURSDAY, JANUARY 13, 1983
                                       LOC=WX44

VARIABLE     LABEL               N          MEAN       STANDARD        MINIMUM        MAXIMUM
                                                       DEVIATION        VALUE          VALUE

PST          PST                 1          0.08           .             0.08           0.08
SIO2         SIO2                3         16.67          2.52          14.00          19.00
U            U                   0            .            .               .              .
SUSS         SUSS                0            .            .               .              .
TH           TH                  0            .            .               .              .
CS           CS                  0            .            .               .              .
I            I                   0            .            .               .              .
SB           SB                  0            .            .               .              .
ZR           ZR                  0            .            .               .              .
Y            Y                   0            .            .               .              .
RB           RB                  0            .            .               .              .
GE           GE                  0            .            .               .              .
GA           GA                  0            .            .               .              .
TI           TI                  0            .            .               .              .
SC           SC                  0            .            .               .              .
W            W                   0            .            .               .              .
CO           CO                  1          0.02           .             0.02           0.02
V            V                   0            .            .               .              .
BE           BE                  0            .            .               .              .
OH           OH                  0            .            .               .              .
CH           CH                  0            .            .               .              .
PA           PA                  0            .            .               .              .
MA           MA                  0            .            .               .              .
SCN          SCN                 1          0.10           .             0.10           0.10
TURB         TURB                0            .            .               .              .
FF           FF                  0            .            .               .              .
TSSF         TSSF                0            .            .               .              .
R228         R228                0            .            .               .              .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 177
14:10 THURSDAY, JANUARY 13, 1983

LOC=WA55

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	6	581.67	121.89	470.00	800.00
AL	AL	6	0.19	0.18	0.02	0.50
ARS	ARS	6	0.02	0.01	0.02	0.04
FCOLIF	FCOLIF	1	1.00	.	1.00	1.00
BA	BA	6	1.80	2.10	0.50	6.00
HCO3	HCO3	6	520.00	130.69	420.00	760.00
BOD	BOD	6	8.28	6.21	2.00	20.00
B	B	6	0.52	0.17	0.20	0.65
BR	BR	5	0.10	0.00	0.10	0.10
TCOLIF	TCOLIF	1	1.00	.	1.00	1.00
CD	CD	4	0.02	0.00	0.02	0.02
CA	CA	6	18.23	15.17	6.10	43.00
CO3	CO3	6	60.33	41.62	20.00	130.00
CL	CL	6	12.90	9.45	7.00	32.00
CR	CR	6	0.02	0.00	0.02	0.02
COD	COD	6	34.37	44.43	4.00	110.00
CU	CU	6	0.05	0.07	0.02	0.20
DO	DO	4	3.22	0.59	2.50	3.80
DOC	DOC	5	18.14	21.28	0.10	52.00
LAS	LAS	1	0.05	.	0.05	0.05
F	F	6	12.47	8.57	1.20	18.00
HARD	HARD	6	145.00	203.09	36.00	550.00
FE	FE	6	1.06	1.94	0.03	5.00
KJN	KJN	5	0.95	0.37	0.30	1.20
PB	PB	6	0.07	0.07	0.02	0.20
LI	LI	6	0.05	0.02	0.03	0.08
MG	MG	6	34.80	45.56	4.80	96.00
MN	MN	5	0.04	0.03	0.02	0.08
HG	HG	5	0.01	0.01	0.00	0.02
MOLY	MOLY	6	0.05	0.04	0.02	0.10
NI	NI	6	0.03	0.03	0.02	0.10
NO3	NO3	6	47.68	113.83	0.10	280.00
OLGR	OLGR	6	11.50	9.20	1.00	26.00
S2O3	S2O3	2	4.00	1.41	3.00	5.00
PH	PH	4			7.70	8.60
K	K	6	2.88	0.90	1.80	4.00
RA	RA	5	2.56	2.12	0.50	6.00
BTR	BTR	3	7.00	6.56	1.00	14.00
RR	RR	0	.	.	.	.
SE	SE	4	0.02	0.01	0.01	0.02
AG	AG	6	0.01	0.01	0.01	0.02
NA	NA	6	273.33	69.19	190.00	370.00
TDS	TDS	2	920.00	395.98	640.00	1200.00
SOLS	SOLS	3	746.67	70.95	670.00	810.00
SPC	SPC	4	1417.50	582.89	1100.00	2290.00
SR	SR	6	3.50	0.80	3.00	5.10
SO4	SO4	6	160.53	232.09	4.00	460.00
TEMP	TEMP	4	14.88	7.73	5.50	23.00
ZN	ZN	6	0.18	0.40	0.02	1.00
TOC	TOC	3	34.33	22.37	10.00	54.00
PHEN	PHEN	3	0.00	0.00	0.00	0.01
CYAN	CYAN	0	.	.	.	.
NH3	NH3	5	0.93	0.51	0.20	1.60

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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                178
                                                                     14:10 THURSDAY, JANUARY 13, 1983
                                         LOC=WX55

VARIABLE    LABEL              N         MEAN        STANDARD       MINIMUM        MAXIMUM
                                                     DEVIATION       VALUE          VALUE

PST         PST                0           .             .              .              .
SIO2        SIO2               0           .             .              .              .
U           U                  0           .             .              .              .
SUSS        SUSS               0           .             .              .              .
TH          TH                 0           .             .              .              .
CS          CS                 0           .             .              .              .
I           I                  0           .             .              .              .
SB          SB                 0           .             .              .              .
ZR          ZR                 0           .             .              .              .
Y           Y                  0           .             .              .              .
RB          RB                 0           .             .              .              .
GE          GE                 0           .             .              .              .
GA          GA                 0           .             .              .              .
TI          TI                 0           .             .              .              .
SC          SC                 0           .             .              .              .
W           W                  0           .             .              .              .
CO          CO                 2         0.02          0.00           0.02           0.02
V           V                  0           .             .              .              .
BE          BE                 0           .             .              .              .
OH          OH                 0           .             .              .              .
CH          CH                 0           .             .              .              .
PA          PA                 0           .             .              .              .
MA          MA                 0           .             .              .              .
SCN         SCN                0           .             .              .              .
TURB        TURB               0           .             .              .              .
FF          FF                 0           .             .              .              .
TSSF        TSSF               0           .             .              .              .
R228        R228               0           .             .              .              .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                 49
                                                                      14:10 THURSDAY, JANUARY 13, 1983
                                    LOC=W052

VARIABLE   LABEL          N        MEAN       STANDARD        MINIMUM        MAXIMUM
                                              DEVIATION        VALUE          VALUE

TALK       TALK           1       530.00          .           530.00         530.00
AL         AL             1         0.10          .             0.10           0.10
ARS        ARS            1         0.02          .             0.02           0.02
FCOLIF     FCOLIF         0          .            .              .              .
BA         BA             1         0.50          .             0.50           0.50
HCO3       HCO3           1       530.00          .           530.00         530.00
BOD        BOD            1       150.00          .           150.00         150.00
B          B              1         0.10          .             0.10           0.10
BR         BR             1         0.10          .             0.10           0.10
TCOLIF     TCOLIF         0          .            .              .              .
CD         CD             0          .            .              .              .
CA         CA             1       120.00          .           120.00         120.00
CO3        CO3            1         1.00          .             1.00           1.00
CL         CL             1        10.00          .            10.00          10.00
CR         CR             1         0.02          .             0.02           0.02
COD        COD            1        50.00          .            50.00          50.00
CU         CU             1         0.02          .             0.02           0.02
DO         DO             1         1.36          .             1.36           1.36
DOC        DOC            1        16.00          .            16.00          16.00
LAS        LAS            0          .            .              .              .
F          F              1         0.10          .             0.10           0.10
HARD       HARD           1       790.00          .           790.00         790.00
FE         FE             1         0.80          .             0.80           0.80
KJN        KJN            1         0.60          .             0.60           0.60
PB         PB             1         0.02          .             0.02           0.02
LI         LI             1         0.05          .             0.05           0.05
MG         MG             1       120.00          .           120.00         120.00
MN         MN             1         0.20          .             0.20           0.20
HG         HG             1         0.00          .             0.00           0.00
MOLY       MOLY           1         0.01          .             0.01           0.01
NI         NI             1         0.02          .             0.02           0.02
NO3        NO3            1         0.50          .             0.50           0.50
OLGR       OLGR           1        10.00          .            10.00          10.00
S2O3       S2O3           0          .            .              .              .
PH         PH             1                       .             7.38           7.38
K          K              1         3.60          .             3.60           3.60
RA         RA             1         4.00          .             4.00           4.00
BTR        BTR            1         3.00          .             3.00           3.00
RR         RR             0          .            .              .              .
SE         SE             1         0.01          .             0.01           0.01
AG         AG             1         0.01          .             0.01           0.01
NA         NA             1       180.00          .           180.00         180.00
TDS        TDS            1      1400.00          .          1400.00        1400.00
SOLS       SOLS           0          .            .              .              .
SPC        SPC            1      1680.00          .          1680.00        1680.00
SR         SR             1        18.00          .            18.00          18.00
SO4        SO4            1       720.00          .           720.00         720.00
TEMP       TEMP           1        21.00          .            21.00          21.00
ZN         ZN             1         0.02          .             0.02           0.02
TOC        TOC            0          .            .              .              .
PHEN       PHEN           1         0.00          .             0.00           0.00
CYAN       CYAN           0          .            .              .              .
NH3        NH3            1         0.30          .             0.30           0.30
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         5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                      50
                                                                                   14:10 THURSDAY, JANUARY 13, 1983
                                          LOC=WD52

VARIABLE   LABEL               N          MEAN        STANDARD         MINIMUM         MAXIMUM
                                                      DEVIATION         VALUE           VALUE

PST        PST                 0            .               .              .               .
SIO2       SIO2                1          22.00             .            22.00           22.00
U          U                   0            .               .              .               .
SUSS       SUSS                0            .               .              .               .
TH         TH                  0            .               .              .               .
CS         CS                  0            .               .              .               .
I          I                   0            .               .              .               .
SB         SB                  0            .               .              .               .
ZR         ZR                  0            .               .              .               .
Y          Y                   0            .               .              .               .
RB         RB                  0            .               .              .               .
GE         GE                  0            .               .              .               .
GA         GA                  0            .               .              .               .
TI         TI                  0            .               .              .               .
SC         SC                  0            .               .              .               .
W          W                   0            .               .              .               .
CO         CO                  0            .               .              .               .
V          V                   0            .               .              .               .
BE         BE                  0            .               .              .               .
OH         OH                  0            .               .              .               .
CH         CH                  0            .               .              .               .
PA         PA                  0            .               .              .               .
MA         MA                  0            .               .              .               .
SCN        SCN                 1           0.10             .             0.10            0.10
TURB       TURB                0            .               .              .               .
FF         FF                  0            .               .              .               .
TSSF       TSSF                0            .               .              .               .
R228       R228                0            .               .              .               .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                   69
                                                                          14:10 THURSDAY, JANUARY 13, 1983
                                              LOC=WE52

VARIABLE    LABEL             N          MEAN        STANDARD        MINIMUM         MAXIMUM
                                                     DEVIATION        VALUE           VALUE

TALK        TALK              1        610.00            .           610.00          610.00
AL          AL                1          0.10            .             0.10            0.10
ARS         ARS               1          0.02            .             0.02            0.02
FCOLIF      FCOLIF            0            .             .               .               .
BA          BA                1          0.50            .             0.50            0.50
HCO3        HCO3              1        540.00            .           540.00          540.00
BOD         BOD               1        150.00            .           150.00          150.00
B           B                 1          0.60            .             0.60            0.60
BR          BR                1          0.10            .             0.10            0.10
TCOLIF      TCOLIF            0            .             .               .               .
CD          CD                0            .             .               .               .
CA          CA                1          5.90            .             5.90            5.90
CO3         CO3               1         66.00            .            66.00           66.00
CL          CL                1          4.50            .             4.50            4.50
CR          CR                1          0.02            .             0.02            0.02
COD         COD               1         50.00            .            50.00           50.00
CU          CU                1          0.02            .             0.02            0.02
DO          DO                1          2.34            .             2.34            2.34
DOC         DOC               1          3.00            .             3.00            3.00
LAS         LAS               0            .             .               .               .
F           F                 1         20.00            .            20.00           20.00
HARD        HARD              1         32.00            .            32.00           32.00
FE          FE                1          0.03            .             0.03            0.03
KJN         KJN               1          1.40            .             1.40            1.40
PB          PB                1          0.02            .             0.02            0.02
LI          LI                1          0.05            .             0.05            0.05
MG          MG                1          4.10            .             4.10            4.10
MN          MN                1          0.02            .             0.02            0.02
HG          HG                1          0.00            .             0.00            0.00
MOLY        MOLY              1          0.01            .             0.01            0.01
NI          NI                1          0.02            .             0.02            0.02
NO3         NO3               1          0.50            .             0.50            0.50
OLGR        OLGR              1         10.00            .            10.00           10.00
S2O3        S2O3              0            .             .               .               .
PH          PH                1                          .             8.23            8.23
K           K                 1          4.60            .             4.60            4.60
RA          RA                1          1.00            .             1.00            1.00
SIR         SIR               1          7.00            .             7.00            7.00
RR          RR                0            .             .               .               .
SE          SE                1          0.01            .             0.01            0.01
AG          AG                1          0.01            .             0.01            0.01
NA          NA                1        280.00            .           280.00          280.00
TDS         TDS               1        690.00            .           690.00          690.00
SOLS        SOLS              0            .             .               .               .
SPC         SPC               1        990.00            .           990.00          990.00
SR          SR                1          1.90            .             1.90            1.90
SO4         SO4               1        180.00            .           180.00          180.00
TEMP        TEMP              1         25.00            .            25.00           25.00
ZN          ZN                1          0.02            .             0.02            0.02
TOC         TOC               0            .             .               .               .
PHEN        PHEN              1          0.00            .             0.00            0.00
CYAN        CYAN              0            .             .               .               .
NH3         NH3               1          1.00            .             1.00            1.00
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                     70
                                                              14:10 THURSDAY, JANUARY 13, 1983
                                    LOC=WE52

VARIABLE    LABEL          N        MEAN         STANDARD       MINIMUM        MAXIMUM
                                                 DEVIATION       VALUE          VALUE

PST         PST            0          .              .             .              .
SIO2        SIO2           1        12.00            .           12.00          12.00
U           U              0          .              .             .              .
SUSS        SUSS           0          .              .             .              .
TH          TH             0          .              .             .              .
CS          CS             0          .              .             .              .
I           I              0          .              .             .              .
SR          SR             0          .              .             .              .
ZR          ZR             0          .              .             .              .
Y           Y              0          .              .             .              .
RB          RB             0          .              .             .              .
GE          GE             0          .              .             .              .
GA          GA             0          .              .             .              .
TI          TI             0          .              .             .              .
SC          SC             0          .              .             .              .
W           W              0          .              .             .              .
CU          CU             0          .              .             .              .
V           V              0          .              .             .              .
BE          BE             0          .              .             .              .
OH          OH             0          .              .             .              .
CH          CH             0          .              .             .              .
PA          PA             0          .              .             .              .
MA          MA             0          .              .             .              .
SCN         SCN            1         0.10            .            0.10           0.10
TURB        TURB           0          .              .             .              .
PF          PF             0          .              .             .              .
TSSP        TSSP           0          .              .             .              .
R226        R226           0          .              .             .              .
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     5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                          179
                                                                          14:10 THURSDAY, JANUARY 13, 1983
                                             LOC=WX63

VARIABLE   LABEL              N         MEAN        STANDARD        MINIMUM        MAXIMUM
                                                    DEVIATION         VALUE          VALUE

TALK       TALK               5       632.00           63.01         560.00         720.00
AL         AL                 5         0.16            0.13           0.02           0.30
ARS        ARS                5         0.02            0.00           0.02           0.02
FCOLIF     FCOLIF             1         1.00             .             1.00           1.00
BA         BA                 5         1.60            2.46           0.50           6.00
HCO3       HCO3               5       520.00          134.72         340.00         660.00
BOD        BOD                5        16.50           14.02           7.00          40.00
B          B                  5         0.76            0.44           0.40           1.50
BR         BR                 4         0.10            0.00           0.10           0.10
TCOLIF     TCOLIF             1         1.00             .             1.00           1.00
CD         CD                 4         0.02            0.00           0.02           0.02
CA         CA                 5         5.30            2.85           3.00          10.00
CO3        CO3                5       107.60           92.19          40.00         260.00
CL         CL                 5        43.40           49.30           4.00         120.00
CR         CR                 5         0.02            0.00           0.02           0.02
COD        COD                5        24.80           21.81           8.00          60.00
CU         CU                 5         0.02            0.00           0.02           0.02
DO         DO                 3         2.97            0.87           2.00           3.70
DOC        DOC                4        15.85           29.46           0.20          60.00
LAS        LAS                1         0.05             .             0.05           0.05
F          F                  5        17.06            1.63          15.00          19.00
HARD       HARD               5        93.40          143.94          15.00         350.00
FE         FE                 5         0.16            0.21           0.02           0.50
KJN        KJN                4         0.96            0.35           0.60           1.42
PB         PB                 5         0.05            0.03           0.02           0.10
LI         LI                 5         0.06            0.02           0.03           0.07
MG         MG                 5         2.82            1.58           1.50           5.00
MN         MN                 5         0.06            0.08           0.02           0.20
HG         HG                 4         0.02            0.01           0.00           0.02
MOLY       MOLY               5         0.17            0.20           0.02           0.50
NI         NI                 5         0.04            0.04           0.02           0.10
NO3        NO3                5        24.30           33.09           0.10          75.00
OLGR       OLGR               5        11.60            2.61           8.00          14.00
S2O3       S2O3               2         8.00            0.00           8.00           8.00
PH         PH                 3          .                             7.80           9.40
K          K                  5         2.66            1.02           1.60           4.20
RA         RA                 3         7.17            4.37           3.50          12.00
BTR        BTR                3        10.33            3.06           7.00          13.00
RR         RR                 0          .               .              .              .
SE         SE                 3         0.03            0.01           0.02           0.04
AG         AG                 5         0.01            0.01           0.01           0.02
NA         NA                 5       290.00           60.00         200.00         350.00
TDS        TDS                2       770.00           28.28         750.00         790.00
SOLS       SOLS               3       880.00           45.83         840.00         930.00
SPC        SPC                3      1250.00           50.00        1200.00        1300.00
SR         SR                 5         1.36            1.12           0.30           3.00
SO4        SO4                5        63.00           91.79           5.00         220.00
TEMP       TEMP               3        14.17            2.25          12.00          16.50
ZN         ZN                 5         0.22            0.44           0.02           1.00
TOC        TOC                3        56.33           25.70          29.00          80.00
PHEN       PHEN               4         0.01            0.01           0.00           0.02
CYAN       CYAN               0          .               .              .              .
NH3        NH3                4         0.89            0.30           0.47           1.10
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                    180
                                                        14:10 THURSDAY, JANUARY 13, 1983
                              LOC=#X63

VARIABLE    LABEL          N         MEAN       STANDARD       MINIMUM       MAXIMUM
                                                DEVIATION       VALUE         VALUE

PST         PST            0          .            .              .             .
SIO2        SIO2           0          .            .              .             .
U           U              0          .            .              .             .
SUSS        SUSS           0          .            .              .             .
TH          TH             0          .            .              .             .
CS          CS             0          .            .              .             .
I           I              0          .            .              .             .
SB          SB             0          .            .              .             .
ZR          ZR             0          .            .              .             .
Y           Y              0          .            .              .             .
RB          RB             0          .            .              .             .
GE          GE             0          .            .              .             .
GA          GA             0          .            .              .             .
TI          TI             0          .            .              .             .
SC          SC             0          .            .              .             .
W           W              0          .            .              .             .
CU          CU             1         0.02          .             0.02          0.02
V           V              0          .            .              .             .
BE          BE             0          .            .              .             .
OH          OH             0          .            .              .             .
CH          CH             0          .            .              .             .
PA          PA             0          .            .              .             .
MA          MA             0          .            .              .             .
SCN         SCN            0          .            .              .             .
TURB        TURB           0          .            .              .             .
FF          FF             0          .            .              .             .
TSSF        TSSF           0          .            .              .             .
R228        R228           0          .            .              .             .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                        51
                                                                              14:10 THURSDAY, JANUARY 13, 1983
                                        LOC=#D61

VARIABLE    LABEL              N          MEAN        STANDARD        MINIMUM          MAXIMUM
                                                      DEVIATION        VALUE            VALUE

TALK        TALK               1         430.00           .           430.00           430.00
AL          AL                 1           0.10           .             0.10             0.10
ARS         ARS                1           0.02           .             0.02             0.02
FCOLIF      FCOLIF             0            .             .              .                .
BA          BA                 1           0.50           .             0.50             0.50
HCO3        HCO3               1         430.00           .           430.00           430.00
BOD         BOD                1         150.00           .           150.00           150.00
B           B                  1           0.20           .             0.20             0.20
BR          BR                 1           0.10           .             0.10             0.10
TCOLIF      TCOLIF             0            .             .              .                .
CD          CD                 0            .             .              .                .
CA          CA                 1          92.00           .            92.00            92.00
CO3         CO3                1           1.00           .             1.00             1.00
CL          CL                 1          16.00           .            16.00            16.00
CR          CR                 1           0.02           .             0.02             0.02
COD         COD                1          50.00           .            50.00            50.00
CU          CU                 1           0.02           .             0.02             0.02
DO          DO                 1           3.16           .             3.16             3.16
DOC         DOC                1          10.00           .            10.00            10.00
LAS         LAS                0            .             .              .                .
F           F                  1           0.10           .             0.10             0.10
HARD        HARD               1         630.00           .           630.00           630.00
FE          FE                 1           0.30           .             0.30             0.30
KJN         KJN                1           0.50           .             0.50             0.50
PB          PB                 1           0.02           .             0.02             0.02
LI          LI                 1           0.06           .             0.06             0.06
MG          MG                 1          97.00           .            97.00            97.00
MN          MN                 1           0.40           .             0.40             0.40
HG          HG                 1           0.00           .             0.00             0.00
MOLY        MOLY               1           0.01           .             0.01             0.01
NI          NI                 1           0.02           .             0.02             0.02
NO3         NO3                1           0.50           .             0.50             0.50
OLGR        OLGR               1          10.00           .            10.00            10.00
S2O3        S2O3               0            .             .              .                .
PH          PH                 1                          .             7.40             7.40
K           K                  1           3.20           .             3.20             3.20
RA          RA                 1           2.00           .             2.00             2.00
BTR         BTR                1           1.00           .             1.00             1.00
RR          RR                 0            .             .              .                .
SE          SE                 1           0.01           .             0.01             0.01
AG          AG                 1           0.01           .             0.01             0.01
NA          NA                 1         180.00           .           180.00           180.00
TDS         TDS                1        1200.00           .          1200.00          1200.00
SOLS        SOLS               0            .             .              .                .
SPC         SPC                1        1520.00           .          1520.00          1520.00
SR          SR                 1          20.00           .            20.00            20.00
SO4         SO4                1         610.00           .           610.00           610.00
TEMP        TEMP               1          21.00           .            21.00            21.00
ZN          ZN                 1           0.02           .             0.02             0.02
TOC         TOC                0            .             .              .                .
PHEN        PHEN               1           0.00           .             0.00             0.00
CYAN        CYAN               0            .             .              .                .
NH3         NH3                1           0.40           .             0.40             0.40
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                   52
                                                                    14:10 THURSDAY, JANUARY 13, 1983
                                        LOC=#D61

VARIABLE   LABEL             N         MEAN        STANDARD       MINIMUM        MAXIMUM
                                                   DEVIATION       VALUE          VALUE

PST        PST               0           .              .              .              .
SIO2       SIO2              1         21.00            .            21.00          21.00
U          U                 0           .              .              .              .
SUSS       SUSS              0           .              .              .              .
TH         TH                0           .              .              .              .
CS         CS                0           .              .              .              .
I          I                 0           .              .              .              .
SB         SB                0           .              .              .              .
ZR         ZR                0           .              .              .              .
Y          Y                 0           .              .              .              .
RB         RB                0           .              .              .              .
GE         GE                0           .              .              .              .
GA         GA                0           .              .              .              .
TI         TI                0           .              .              .              .
SC         SC                0           .              .              .              .
*          *                 0           .              .              .              .
CU         CU                0           .              .              .              .
V          V                 0           .              .              .              .
BE         BE                0           .              .              .              .
UH         UH                0           .              .              .              .
CH         CH                0           .              .              .              .
PA         PA                0           .              .              .              .
MA         MA                0           .              .              .              .
SCN        SCN               1          0.10            .             0.10           0.10
TURB       TURB              0           .              .              .              .
FF         FF                0           .              .              .              .
TSSF       TSSF              0           .              .              .              .
R228       R228              0           .              .              .              .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                    71
                                                                        14:10 THURSDAY, JANUARY 13, 1983
                                            LOC=#E61

VARIABLE    LABEL            N         MEAN       STANDARD       MINIMUM        MAXIMUM
                                                  DEVIATION       VALUE          VALUE

TALK        TALK             1       410.00           .          410.00         410.00
AL          AL               1         0.10           .            0.10           0.10
ARS         ARS              1         0.02           .            0.02           0.02
FCOLIF      FCOLIF           0          .             .             .              .
BA          BA               1         0.50           .            0.50           0.50
HCO3        HCO3             1       410.00           .          410.00         410.00
BOD         BOD              1       150.00           .          150.00         150.00
B           B                1         0.20           .            0.20           0.20
BR          BR               1         0.10           .            0.10           0.10
TCOLIF      TCOLIF           0          .             .             .              .
CD          CD               0          .             .             .              .
CA          CA               1        92.00           .           92.00          92.00
CO3         CO3              1         1.00           .            1.00           1.00
CL          CL               1        10.00           .           10.00          10.00
CR          CR               1         0.02           .            0.02           0.02
COD         COD              1        50.00           .           50.00          50.00
CU          CU               1         0.02           .            0.02           0.02
DO          DO               1         1.51           .            1.51           1.51
DOC         DOC              1         6.00           .            6.00           6.00
LAS         LAS              0          .             .             .              .
F           F                1         0.10           .            0.10           0.10
HARD        HARD             1       620.00           .          620.00         620.00
FE          FE               1         1.10           .            1.10           1.10
KJN         KJN              1         0.80           .            0.80           0.80
PB          PB               1         0.02           .            0.02           0.02
LI          LI               1         0.07           .            0.07           0.07
MG          MG               1        94.00           .           94.00          94.00
MN          MN               1         0.20           .            0.20           0.20
HG          HG               1         0.00           .            0.00           0.00
MOLY        MOLY             1         0.01           .            0.01           0.01
NI          NI               1         0.02           .            0.02           0.02
NO3         NO3              1         0.50           .            0.50           0.50
OLGR        OLGR             1        10.00           .           10.00          10.00
S2O3        S2O3             0          .             .             .              .
PH          PH               1                        .            7.38           7.38
K           K                1         3.90           .            3.90           3.90
RA          RA               1         2.00           .            2.00           2.00
BTR         BTR              1         3.00           .            3.00           3.00
RR          RR               0          .             .             .              .
SE          SE               1         0.01           .            0.01           0.01
AG          AG               1         0.01           .            0.01           0.01
NA          NA               1       180.00           .          180.00         180.00
TDS         TDS              1      1200.00           .         1200.00        1200.00
SOLS        SOLS             0          .             .             .              .
SPC         SPC              1      1530.00           .         1530.00        1530.00
SR          SR               1        22.00           .           22.00          22.00
SO4         SO4              1       600.00           .          600.00         600.00
TEMP        TEMP             1        19.00           .           19.00          19.00
ZN          ZN               1         0.02           .            0.02           0.02
TOC         TOC              0          .             .             .              .
PHEN        PHEN             1         0.01           .            0.01           0.01
CYAN        CYAN             0          .             .             .              .
NH3         NH3              1         0.30           .            0.30           0.30
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                          72
                                                                   14:10 THURSDAY, JANUARY 13, 1983
                                    LOC=WE61

VARIABLE   LABEL            N         MEAN       STANDARD      MINIMUM       MAXIMUM
                                                 DEVIATION      VALUE         VALUE

PST        PST              0           .            .            .             .
SIO2       SIO2             0           .            .            .             .
U          U                0           .            .            .             .
SUSS       SUSS             0           .            .            .             .
TH         TH               0           .            .            .             .
CS         CS               0           .            .            .             .
I          I                0           .            .            .             .
SB         SB               0           .            .            .             .
ZR         ZR               0           .            .            .             .
Y          Y                0           .            .            .             .
RB         RB               0           .            .            .             .
GE         GE               0           .            .            .             .
GA         GA               0           .            .            .             .
TI         TI               0           .            .            .             .
SC         SC               0           .            .            .             .
W          W                0           .            .            .             .
CO         CO               0           .            .            .             .
V          V                0           .            .            .             .
BE         BE               0           .            .            .             .
OH         OH               0           .            .            .             .
CH         CH               0           .            .            .             .
PA         PA               0           .            .            .             .
MA         MA               0           .            .            .             .
SCN        SCN              1         0.10           .          0.10          0.10
TURB       TURB             0           .            .            .             .
FF         FF               0           .            .            .             .
TSSF       TSSF             0           .            .            .             .
R226       R226             0           .            .            .             .
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                                        LOC=WX92

VARIABLE   LABEL           N        MEAN       STANDARD      MINIMUM       MAXIMUM
                                               DEVIATION      VALUE         VALUE

TALK       TALK            6      703.33        112.55        600.00        850.00
AL         AL              6        0.19          0.18          0.02          0.50
ARS        ARS             6        0.02          0.01          0.02          0.04
FCOLIF     FCOLIF          1        1.00           .            1.00          1.00
BA         BA              6        0.67          0.19          0.50          1.00
HCO3       HCO3            6      676.67         83.59        600.00        780.00
BOD        BOD             6        9.07          9.45          1.00         26.00
B          B               6        0.44          0.44          0.04          1.00
BR         BR              5        0.10          0.00          0.10          0.10
TCOLIF     TCOLIF          1        1.00           .            1.00          1.00
CD         CD              4        0.02          0.00          0.02          0.02
CA         CA              6       53.33         39.08          6.00         90.00
CO3        CO3             6       27.50         41.16          1.00         90.00
CL         CL              6       23.77         22.12          3.60         65.00
CR         CR              6        0.03          0.03          0.02          0.10
COD        COD             6       35.50         27.20          2.00         72.00
CU         CU              6        0.05          0.07          0.02          0.20
DO         DO              4        2.30          1.19          0.80          3.60
DOC        DOC             4       61.52         81.97          0.10        179.00
LAS        LAS             1        0.05           .            0.05          0.05
F          F               6        7.35         10.58          0.40         21.00
HARD       HARD            6      499.67        371.51         20.00        800.00
FE         FE              6        2.55          3.33          0.30          9.00
KJN        KJN             5        1.19          1.32          0.30          3.50
PB         PB              6        0.07          0.03          0.02          0.10
LI         LI              6        0.10          0.05          0.06          0.20
MG         MG              6       85.17         50.79          3.00        127.00
MN         MN              6        0.24          0.19          0.02          0.40
HG         HG              4        0.01          0.01          0.00          0.02
MOLY       MOLY            6        0.05          0.07          0.01          0.20
NI         NI              6        0.04          0.03          0.02          0.10
NO3        NO3             6      114.30        182.01          0.10        420.00
OLGR       OLGR            6        8.50          5.79          2.00         16.00
S2O3       S2O3            2        6.00          2.83          4.00          8.00
PH         PH              4                                    6.90          8.70
K          K               6        2.37          2.03          0.20          6.00
RA         RA              3        8.43          8.32          2.90         18.00
BTR        BTR             2        9.00          9.90          2.00         16.00
RR         RR              0         .             .             .             .
SE         SE              3        0.02          0.01          0.01          0.02
AG         AG              6        0.02          0.01          0.01          0.04
NA         NA              6      266.67        119.94        180.00        440.00
TDS        TDS             2     1400.00          0.00       1400.00       1400.00
SOLS       SOLS            3     1180.00        259.42        970.00       1470.00
SPC        SPC             4     1935.00        311.29       1500.00       2240.00
SR         SR              6        5.37          4.25          0.60          9.70
SO4        SO4             6      368.50        249.18         10.00        620.00
TEMP       TEMP            4       15.50          4.43         12.00         22.00
ZN         ZN              6        0.18          0.40          0.02          1.00
TOC        TOC             3      104.67         97.74         33.00        216.00
PHEN       PHEN            5        0.01          0.01          0.00          0.03
CYAN       CYAN            0         .             .             .             .
NH3        NH3             5        0.73          0.71          0.10          1.70
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                          182
                                                                14:10 THURSDAY, JANUARY 13, 1983
                                         LOC=*X92

VARIABLE   LABEL              N       MEAN        STANDARD      MINIMUM       MAXIMUM
                                                  DEVIATION      VALUE         VALUE

PST        PST                0         .             .             .             .
SIO2       SIO2               0         .             .             .             .
U          U                  0         .             .             .             .
SUSS       SUSS               0         .             .             .             .
TH         TH                 0         .             .             .             .
CS         CS                 0         .             .             .             .
I          I                  0         .             .             .             .
SB         SB                 0         .             .             .             .
ZR         ZR                 0         .             .             .             .
Y          Y                  0         .             .             .             .
RB         RB                 0         .             .             .             .
GE         GE                 0         .             .             .             .
GA         GA                 0         .             .             .             .
TI         TI                 0         .             .             .             .
SC         SC                 0         .             .             .             .
*          *                  0         .             .             .             .
CO         CO                 2       0.02          0.00          0.02          0.02
V          V                  0         .             .             .             .
BE         BE                 0         .             .             .             .
OH         OH                 0         .             .             .             .
CH         CH                 0         .             .             .             .
PA         PA                 0         .             .             .             .
MA         MA                 0         .             .             .             .
SCN        SCN                0         .             .             .             .
TURB       TURB               0         .             .             .             .
FF         FF                 0         .             .             .             .
TSSF       TSSF               0         .             .             .             .
R228       R228               0         .             .             .             .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                              55
                                                                         14:10 THURSDAY, JANUARY 13, 1983
                                        LOC=#D91

VARIABLE   LABEL        N      MEAN      STANDARD      MINIMUM      MAXIMUM
                                         DEVIATION      VALUE        VALUE

TALK       TALK         1     350.00         .          350.00       350.00
AL         AL           1       0.10         .            0.10         0.10
ARS        ARS          1       0.02         .            0.02         0.02
FCOLIF     FCOLIF       0        .           .             .            .
BA         BA           1       0.50         .            0.50         0.50
HCO3       HCO3         1       1.00         .            1.00         1.00
BOD        BOD          1     150.00         .          150.00       150.00
B          B            1       0.40         .            0.40         0.40
BR         BR           1       0.10         .            0.10         0.10
TCOLIF     TCOLIF       0        .           .             .            .
CD         CD           0        .           .             .            .
CA         CA           1       6.80         .            6.80         6.80
CO3        CO3          1     290.00         .          290.00       290.00
CL         CL           1      65.00         .           65.00        65.00
CR         CR           1       0.02         .            0.02         0.02
COD        COD          1      50.00         .           50.00        50.00
CU         CU           1       0.02         .            0.02         0.02
DO         DO           1       5.09         .            5.09         5.09
DOC        DOC          1      14.00         .           14.00        14.00
LAS        LAS          0        .           .             .            .
F          F            1       0.90         .            0.90         0.90
HARD       HARD         1     100.00         .          100.00       100.00
FE         FE           1       0.09         .            0.09         0.09
KJN        KJN          1       1.70         .            1.70         1.70
PB         PB           1       0.02         .            0.02         0.02
LI         LI           1       0.30         .            0.30         0.30
MG         MG           1      21.00         .           21.00        21.00
MN         MN           1       0.02         .            0.02         0.02
HG         HG           1       0.00         .            0.00         0.00
MOLY       MOLY         1       0.04         .            0.04         0.04
NI         NI           1       0.02         .            0.02         0.02
NO3        NO3          1       1.10         .            1.10         1.10
OLGR       OLGR         1      10.00         .           10.00        10.00
S2O3       S2O3         0        .           .             .            .
PH         PH           1   [illegible]      .           10.40        10.40
K          K            1      54.00         .           54.00        54.00
RA         RA           0        .           .             .            .
BTR        BTR          1      51.00         .           51.00        51.00
RR         RR           0        .           .             .            .
SE         SE           1       0.01         .            0.01         0.01
AG         AG           1       0.01         .            0.01         0.01
NA         NA           1     250.00         .          250.00       250.00
TDS        TDS          1     810.00         .          810.00       810.00
SOLS       SOLS         0        .           .             .            .
SPC        SPC          1    1330.00         .         1330.00      1330.00
SR         SR           1       0.50         .            0.50         0.50
SO4        SO4          1     260.00         .          260.00       260.00
TEMP       TEMP         1      17.00         .           17.00        17.00
ZN         ZN           1       0.02         .            0.02         0.02
TOC        TOC          0        .           .             .            .
PHEN       PHEN         1       0.02         .            0.02         0.02
CYAN       CYAN         0        .           .             .            .
NH3        NH3          1       1.50         .            1.50         1.50
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                    56
                                                        14:10 THURSDAY, JANUARY 13, 1983
                                   LOC=W091

VARIABLE   LABEL            N         MEAN       STANDARD       MINIMUM       MAXIMUM
                                                 DEVIATION        VALUE         VALUE

PST        PST              0           .             .             .             .
SIO2       SIO2             1         2.00            .           2.00          2.00
U          U                0           .             .             .             .
SUSS       SUSS             0           .             .             .             .
TH         TH               0           .             .             .             .
CS         CS               0           .             .             .             .
I          I                0           .             .             .             .
SB         SB               0           .             .             .             .
ZR         ZR               0           .             .             .             .
Y          Y                0           .             .             .             .
RB         RB               0           .             .             .             .
GE         GE               0           .             .             .             .
GA         GA               0           .             .             .             .
TI         TI               0           .             .             .             .
SC         SC               0           .             .             .             .
W          W                0           .             .             .             .
CO         CO               0           .             .             .             .
V          V                0           .             .             .             .
BE         BE               0           .             .             .             .
OH         OH               0           .             .             .             .
CH         CH               0           .             .             .             .
PA         PA               0           .             .             .             .
MA         MA               0           .             .             .             .
SCN        SCN              1         0.10            .           0.10          0.10
TURB       TURB             0           .             .             .             .
FF         FF               0           .             .             .             .
TSSF       TSSF             0           .             .             .             .
R228       R228             0           .             .             .             .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                        53
                                                                            14:10 THURSDAY, JANUARY 13, 1983
                                          LOC=WD90

VARIABLE   LABEL          N        MEAN       STANDARD       MINIMUM       MAXIMUM
                                              DEVIATION        VALUE         VALUE

TALK       TALK           1      710.00           .          710.00        710.00
AL         AL             1        0.10           .            0.10          0.10
ARS        ARS            1        0.02           .            0.02          0.02
FCOLIF     FCOLIF         0         .             .             .             .
BA         BA             1        0.50           .            0.50          0.50
HCO3       HCO3           1      710.00           .          710.00        710.00
BOD        BOD            1      150.00           .          150.00        150.00
B          B              1        0.20           .            0.20          0.20
BR         BR             1        0.90           .            0.90          0.90
TCOLIF     TCOLIF         0         .             .             .             .
CD         CD             0         .             .             .             .
CA         CA             1      120.00           .          120.00        120.00
CO3        CO3            1        1.00           .            1.00          1.00
CL         CL             1       13.00           .           13.00         13.00
CR         CR             1        0.02           .            0.02          0.02
COD        COD            1       50.00           .           50.00         50.00
CU         CU             1        0.02           .            0.02          0.02
DO         DO             1        2.54           .            2.54          2.54
DOC        DOC            1       52.00           .           52.00         52.00
LAS        LAS            0         .             .             .             .
F          F              1        0.50           .            0.50          0.50
HARD       HARD           1     1200.00           .         1200.00       1200.00
FE         FE             1        0.20           .            0.20          0.20
KJN        KJN            1        0.30           .            0.30          0.30
PB         PB             1        0.02           .            0.02          0.02
LI         LI             1        0.10           .            0.10          0.10
MG         MG             1      220.00           .          220.00        220.00
MN         MN             1        0.20           .            0.20          0.20
HG         HG             1        0.00           .            0.00          0.00
MOLY       MOLY           1        0.03           .            0.03          0.03
NI         NI             1        0.07           .            0.07          0.07
NO3        NO3            1        0.70           .            0.70          0.70
OLGR       OLGR           1       10.00           .           10.00         10.00
S2O3       S2O3           0         .             .             .             .
PH         PH             1    [illegible]        .            7.44          7.44
K          K              1        8.00           .            8.00          8.00
RA         RA             0         .             .             .             .
BTR        BTR            0         .             .             .             .
RR         RR             0         .             .             .             .
SE         SE             1        0.01           .            0.01          0.01
AG         AG             1        0.01           .            0.01          0.01
NA         NA             1      280.00           .          280.00        280.00
TDS        TDS            1     2300.00           .         2300.00       2300.00
SOLS       SOLS           0         .             .             .             .
SPC        SPC            1     2770.00           .         2770.00       2770.00
SR         SR             1        5.70           .            5.70          5.70
SO4        SO4            1     1300.00           .         1300.00       1300.00
TEMP       TEMP           1       16.00           .           16.00         16.00
ZN         ZN             1        0.02           .            0.02          0.02
TOC        TOC            0         .             .             .             .
PHEN       PHEN           1        0.01           .            0.01          0.01
CYAN       CYAN           0         .             .             .             .
NH3        NH3            1        0.30           .            0.30          0.30
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           5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                   54
                                                                                     14:10 THURSDAY, JANUARY 13, 1983
                                         LOC=WD90

VARIABLE   LABEL          N        MEAN       STANDARD      MINIMUM       MAXIMUM
                                              DEVIATION      VALUE         VALUE

PST        PST            0          .             .            .             .
SIO2       SIO2           1        12.00           .          12.00         12.00
U          U              0          .             .            .             .
SUSS       SUSS           0          .             .            .             .
TH         TH             0          .             .            .             .
CS         CS             0          .             .            .             .
I          I              0          .             .            .             .
SB         SB             0          .             .            .             .
ZR         ZR             0          .             .            .             .
Y          Y              0          .             .            .             .
RB         RB             0          .             .            .             .
GE         GE             0          .             .            .             .
GA         GA             0          .             .            .             .
TI         TI             0          .             .            .             .
SC         SC             0          .             .            .             .
W          W              0          .             .            .             .
CO         CO             0          .             .            .             .
V          V              0          .             .            .             .
BE         BE             0          .             .            .             .
OH         OH             0          .             .            .             .
CH         CH             0          .             .            .             .
PA         PA             0          .             .            .             .
MA         MA             0          .             .            .             .
SCN        SCN            1         0.10           .           0.10          0.10
TURB       TURB           0          .             .            .             .
FF         FF             0          .             .            .             .
TSSF       TSSF           0          .             .            .             .
R228       R228           0          .             .            .             .
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LOWER
AQUIFER WELLS

2.2.2.5 Lower Aquifer Wells

During the Interim Monitoring program water quality samples will be taken quarterly and semiannually, depending on the well, for the following parameters.

TABLE 2.2.2.5-1

Parameters Analyzed During IMP - Lower Aquifer

Field Measurements: pH, temperature, dissolved oxygen, conductivity

As
Ba
Cr
Cu
Fe
Hg
Mn
Radiology
Pb
Mo

Cl
Li
Al
Sr
Se
Zn
Na
COD
Br
Ca

Mg
Fluoride
B
BOC
Phenols
Ammonia
Hardness
Alkalinity
NO_3
HCO_3

CO_3
SO_4
TDS
Oil and Grease
$Si_{O}2$
Cn
Total phosphate
K

Samples were taken in August, September, November and December 1982 for Lower Aquifers and LPC$_3$, LPC$_4$ zones. Analyses results are presesnted in Tables 2.2.2.5-2 through 2.2.2.5-5.

Within this section are tables of statistics combining 5 water years (October 1977 - September 1982) of bedrock (Lower aquifers, LPC$_3$ and LPC$_4$) well water analyses. Means and standard deviations were calculated with maximum, minimum values and number of samples taken during the 5 year period. Dates which the maximum and minimum values occurred can be referenced in the Water Quality Assurance Section 2.2.4. Water analyses tables of bedrock wells sampled since Baseline (November 1974 through December 1982) appear within the Water Quality Assurance section for reasons cited in that section.

Table 2.2.2.5-6 presents well names, computer code and page number for easy reference of statistics tables.

TABLE 2.2.2.5-2

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
LOWER AQUIFERS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
WY45	82	8	8.8	1390.0	13.0
		12	8.6	1200.0	11.0
WY31	82	8	8.1	1780.0	8.5

TABLE 2.2.2.5-3

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WY45	82	8	680.0	-.100	1.000	-.020	.50	650.0	30.0	-.100	14.0	1.0		2.8
		12	650.0	-.100	.600	-.020	.70	650.0	-1.0	-.100	20.0	340.0	3.0	3.1
WY81	82	8	990.0	-.100	.900	-.020	.50	960.0	30.0	-.100	20.0	600.0	2.6	3.9

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.5-3 (Contd)

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WY45	82	8	.020	-.50	-10.0	-.0400		.90	820.0	1.0	-5.0	9.7	130.0	-.020	.100
		12	-.010	-.50	-10.0	-.0010	2.1	.90	780.0	1.2	-5.0	6.8	-50.0	-.020	-.020
WY81	82	8	-.010	-.50	-10.0	-.0400	1.5	1.00	1100.0	1.2	5.5	7.8	-50.0	-.020	-.020

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.5-3 (Contd)

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	SIO2 (MG/L)	CYAN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WY45	82	8	10.0		.04		-.01000		******	-.020	-.050	1.70		.03	19.00
		12	12.0		-.01		-.00020	-.010	-.010	.020	.030	-.05	-.020	.40	21.00
WY81	82	8	11.0		.09		-.00020	-.010		-.020	.050	.07	-.020	.10	22.00

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.5-4

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
LOWER PARACHUTE CREEK
LPC3 - WG LPC4 - WH

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
WG12	82	11	8.4	4640.0	8.5
WG20	82	9	9.5	2720.0	12.0

TABLE 2.2.2.5-5

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER PARACHUTE CREEK
LPC3 - WG LPC4 - WH

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WG12	82	11	2700.0	-.100	.600	-.020	.50	2600.0	20.0	-.100	23.0	2000.0	5.5	-.5
WG20	82	9	1100.0	-.100	-.030	-.020	-.50	1000.0	100.0	-.100	10.0	770.0	1.8	1.0

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.5-5 (Contd)

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER PARACHUTE CREEK
LPC3 - WG LPC4 - WH

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHEN (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WG12	82	11	.070	-.50	-10.0	-.0010	8.7	9.10	3200.0	-.5	5.8	160.0	-50.0	-.020	.020
WG20	82	9	.040	-.50	-10.0	-.0400	7.6	1.30	1700.0	.5	-5.0	69.0	-50.0	-.020	-.020

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.5-5 (Contd)

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER PARACHUTE CREEK
LPC3 - WG LPC4 - WH

WELL	YR	MO	SIO2 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WG12	82	11	17.0		-.01		-.00020	-.010		.020	.100	.60	-.020	.20	38.00
WG20	82	9	-1.0		1.40	1.80	-.00020	-.010		.030	.070	.10	.020	.40	21.00

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.5-6

5 Year Statistics of Water Analyses of Lower Aquifers and LPC_3, LPC_4 Zones

Well Name	Computer Code	Page No.
*CB-1	WY01	I-561
*SG-10R Recompletion 1 (LPC_3)	WG10	I-563
SG-1-1	WY12	I-565
SG-1-1 Recompleted (LPC_3)	WG12	I-567
SG-17R	WY17	I-569
SG-17-1 Recompleted (LPC_3)	WG17	I-571
SG-18A-1 Recompleted (LPC_3)	WG18	I-573
SG-20-1 Recompleted (LPC_3)	WG20	I-575
SG-21-2 Recompleted (LPC_3)	WG21	I-577
SG-21-1 Recompleted (LPC_4)	WH21	I-579
AT-1D-1	WG41	I-581
AT-1C-1	WY45	I-583
AT-1C-2	WY46	I-585
SG-10A-1 Recompleted	WG51	I-587
SG-11R	WY52	I-589
SG-11-1 Recompleted	WG52	I-591
*SG-11-2	WY54	I-593
SG-6-2 Recompleted	WG61	I-595
SG-6-2	WY62	I-597
SG-8	WY80	I-599
SG-8R Recompleted	WY81	I-601
SG-9-1 Recompleted	WG91	I-603
SG-9-1	WY91	I-605

* Wells were recompleted to UPC_1 or UPC_2 zones. Refer to Upper Aquifer Wells section for statistics table.

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        5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                         183
                                                                            14:10 THURSDAY, JANUARY 13, 1983
                                    LOC=WY01

VARIABLE    LABEL           N        MEAN       STANDARD        MINIMUM        MAXIMUM
                                                DEVIATION        VALUE          VALUE

TALK        TALK            6      3046.67        531.66        2600.00        4080.00
AL          AL              6         0.15          0.12           0.02           0.30
ARS         ARS             6         0.02          0.00           0.02           0.02
FCOLIF      FCOLIF          1         1.00           .             1.00           1.00
BA          BA              6         2.45          1.41           1.00           4.10
HCO3        HCO3            6      2755.00        540.14        2400.00        3830.00
BOD         BOD             6        22.52         19.18           3.00          50.00
B           B               6         2.22          3.33           0.60           9.00
BR          BR              5         0.10          0.00           0.10           0.10
TCOLIF      TCOLIF          1         1.00           .             1.00           1.00
CD          CD              4         0.02          0.00           0.02           0.02
CA          CA              6         6.32          1.80           4.40           9.00
CO3         CO3             6       289.50        209.31         120.00         700.00
CL          CL              6        28.17         21.88           2.00          68.00
CR          CR              6         0.04          0.03           0.02           0.10
COD         COD             6        22.67         21.52           2.00          52.00
CU          CU              6         0.06          0.07           0.02           0.20
DO          DO              4         2.40          1.33           1.00           3.90
DOC         DOC             5        75.22         88.22           0.10         219.00
LAS         LAS             1         0.05           .             0.05           0.05
F           F               6        30.33          1.51          28.00          32.00
HARD        HARD            6        28.00          8.60          22.00          45.00
FE          FE              6         1.09          1.93           0.02           5.00
KJN         KJN             6         3.96          2.53           1.90           9.00
PB          PB              6         0.04          0.03           0.02           0.10
LI          LI              6         0.04          0.02           0.02           0.08
MG          MG              6         2.95          0.73           2.00           4.00
MN          MN              6         0.07          0.03           0.02           0.10
HG          HG              5         0.01          0.01           0.00           0.02
MOLY        MOLY            6         0.13          0.20           0.01           0.50
NI          NI              6         0.06          0.07           0.02           0.20
NO3         NO3             6        18.65         25.52           0.50          58.00
OLGR        OLGR            6        15.33         21.63           1.00          58.00
S2O3        S2O3            4         4.05          3.78           0.10           8.00
PH          PH              4                                      7.50           8.10
K           K               6         4.20          2.21           0.40           6.10
RA          RA              3         3.20          2.71           0.60           6.00
BTR         BTR             3        28.67         37.54           6.00          72.00
RR          RR              1         0.40           .             0.40           0.40
SE          SE              4         0.02          0.00           0.02           0.03
AG          AG              6         0.02          0.02           0.01           0.06
NA          NA              6      1736.67        826.60        1200.00        3400.00
TDS         TDS             5      1300.06       1780.39           0.10        3300.00
SOLS        SOLS            3      3376.67         68.07        3300.00        3430.00
SPC         SPC             4      5677.50       1163.91        4200.00        7000.00
SR          SR              6         0.82          0.37           0.30           1.40
SO4         SO4             6        76.17        139.49           3.00         353.00
TEMP        TEMP            2        16.50          2.12          15.00          18.00
ZN          ZN              6         0.04          0.03           0.01           0.10
TOC         TOC             4       129.77        171.92           0.10         381.00
PHEN        PHEN            5         0.01          0.01           0.00           0.02
CYAN        CYAN            0          .             .              .              .
NH3         NH3             5         2.95          0.16           2.80           3.20
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                 184
                                                        14:10 THURSDAY, JANUARY 13, 1983
                                 LOC=WY01

VARIABLE   LABEL          N        MEAN       STANDARD     MINIMUM     MAXIMUM
                                              DEVIATION     VALUE       VALUE

PST        PST            0          .            .           .           .
SIO2       SIO2           3        0.10         0.00        0.10        0.10
U          U              0          .            .           .           .
SUSS       SUSS           0          .            .           .           .
TH         TH             0          .            .           .           .
CS         CS             0          .            .           .           .
I          I              0          .            .           .           .
SB         SB             0          .            .           .           .
ZR         ZR             0          .            .           .           .
Y          Y              0          .            .           .           .
RB         RB             0          .            .           .           .
GE         GE             0          .            .           .           .
GA         GA             0          .            .           .           .
TI         TI             0          .            .           .           .
SC         SC             0          .            .           .           .
W          W              0          .            .           .           .
CO         CO             4        0.06         0.05        0.02        0.10
V          V              2        0.10         0.00        0.10        0.10
BE         BE             0          .            .           .           .
OH         OH             2        0.10         0.00        0.10        0.10
CH         CH             3        0.10         0.00        0.10        0.10
PA         PA             0          .            .           .           .
MA         MA             0          .            .           .           .
SCN        SCN            0          .            .           .           .
TURB       TURB           0          .            .           .           .
FF         FF             0          .            .           .           .
TSSF       TSSF           0          .            .           .           .
R228       R228           0          .            .           .           .
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          5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                     73
                                                                                   14:10 THURSDAY, JANUARY 13, 1983
                                         LOC=#G10

VARIABLE   LABEL          N       MEAN      STANDARD      MINIMUM      MAXIMUM
                                            DEVIATION       VALUE        VALUE

TALK       TALK           2     445.00        49.50       410.00       480.00
AL         AL             2       0.10         0.00         0.10         0.10
ARS        ARS            2       0.02         0.00         0.02         0.02
FCOLIF     FCOLIF         0        .            .            .            .
BA         BA             2       0.50         0.00         0.50         0.50
HCO3       HCO3           2     400.00        14.14       390.00       410.00
BOD        BOD            2       3.00         2.83         1.00         5.00
B          B              2       0.10         0.00         0.10         0.10
BR         BR             2       0.10         0.00         0.10         0.10
TCOLIF     TCOLIF         0        .            .            .            .
CD         CD             0        .            .            .            .
CA         CA             2      51.00         7.07        46.00        56.00
CO3        CO3            2      45.50        62.93         1.00        90.00
CL         CL             2      32.00         2.83        30.00        34.00
CR         CR             2       0.02         0.00         0.02         0.02
COD        COD            2       2.50         2.12         1.00         4.00
CU         CU             2       0.02         0.00         0.02         0.02
DO         DO             1       0.50          .           0.50         0.50
DOC        DOC            1      12.00          .          12.00        12.00
LAS        LAS            0        .            .            .            .
F          F              2       1.70         1.56         0.60         2.80
HARD       HARD           2     365.00        63.64       320.00       410.00
FE         FE             2       0.95         0.35         0.70         1.20
KJN        KJN            2       0.75         0.21         0.60         0.90
PB         PB             2       0.02         0.00         0.02         0.02
LI         LI             2       0.05         0.00         0.05         0.05
MG         MG             2      57.00        11.31        49.00        65.00
MN         MN             2       0.06         0.02         0.05         0.08
HG         HG             1       0.00          .           0.00         0.00
MOLY       MOLY           2       0.03         0.02         0.02         0.05
NI         NI             2       0.02         0.01         0.02         0.03
NO3        NO3            2       4.95         3.18         2.70         7.20
OLGR       OLGR           2       9.00         1.41         8.00        10.00
S2O3       S2O3           0        .            .            .            .
PH         PH             1                                 7.30         7.30
K          K              2       2.20         1.56         1.10         3.30
RA         RA             1       3.00          .           3.00         3.00
BTR        BTR            0        .            .            .            .
RR         RR             0        .            .            .            .
SE         SE             1       0.01          .           0.01         0.01
AG         AG             2       0.01         0.00         0.01         0.01
NA         NA             2     215.00        35.36       190.00       240.00
TDS        TDS            2     985.00        21.21       970.00      1000.00
SOLS       SOLS           0        .            .            .            .
SPC        SPC            1    1460.00          .        1460.00      1460.00
SR         SR             2       7.90         4.38         4.80        11.00
SO4        SO4            2     360.00       141.42       260.00       460.00
TEMP       TEMP           1      13.50          .          13.50        13.50
ZN         ZN             2       0.01         0.01         0.01         0.02
TOC        TOC            0        .            .            .            .
PHEN       PHEN           2       0.01         0.01         0.00         0.01
CYAN       CYAN           0        .            .            .            .
NH3        NH3            2       0.50         0.00         0.50         0.50
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                         74
                                                                   14:10 THURSDAY, JANUARY 13, 1983
                                     LOC=WG10

VARIABLE    LABEL          N        MEAN       STANDARD      MINIMUM      MAXIMUM
                                               DEVIATION      VALUE        VALUE

PST         PST            0          .            .            .            .
SIO2        SIO2           0          .            .            .            .
U           U              0          .            .            .            .
SUSS        SUSS           0          .            .            .            .
TH          TH             0          .            .            .            .
CS          CS             0          .            .            .            .
I           I              0          .            .            .            .
SB          SB             0          .            .            .            .
ZR          ZR             0          .            .            .            .
Y           Y              0          .            .            .            .
RB          RB             0          .            .            .            .
GE          GE             0          .            .            .            .
GA          GA             0          .            .            .            .
TI          TI             0          .            .            .            .
SC          SC             0          .            .            .            .
[illegible] [illegible]    0          .            .            .            .
CO          CO             2        0.02         0.00         0.02         0.02
[illegible] V              0          .            .            .            .
BE          BE             0          .            .            .            .
OH          OH             0          .            .            .            .
CH          CH             0          .            .            .            .
PA          PA             0          .            .            .            .
MA          MA             0          .            .            .            .
SCN         SCN            0          .            .            .            .
TURB        TURB           0          .            .            .            .
FF          FF             0          .            .            .            .
TSSF        TSSF           0          .            .            .            .
R226        R226           0          .            .            .            .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                   185
                                                                      14:10 THURSDAY, JANUARY 13, 1983
                                   LOC=WY12

VARIABLE   LABEL         N        MEAN     STANDARD      MINIMUM      MAXIMUM
                                          DEVIATION        VALUE        VALUE

TALK       TALK          6     3440.00      1500.07       490.00      4500.00
AL         AL            6        0.30         0.33         0.10         0.90
ARS        ARS           6        0.06         0.06         0.02         0.16
FCOLIF     FCOLIF        1        1.00          .           1.00         1.00
BA         BA            6        0.68         0.45         0.50         1.60
HCO3       HCO3          6     3218.33      1394.50       490.00      4200.00
BOD        BOD           6       18.05        17.82         1.30        50.00
B          B             6       22.98         8.16        15.00        34.00
BR         BR            5        0.10         0.00         0.10         0.10
TCOLIF     TCOLIF        1        1.00          .           1.00         1.00
CD         CD            4        0.02         0.00         0.02         0.02
CA         CA            6        8.35         1.76         6.00        11.00
CO3        CO3           6      226.83       167.74         1.00       410.00
CL         CL            6      432.90       250.66         7.40       720.00
CR         CR            6        0.04         0.03         0.02         0.10
COD        COD           6       36.33        13.09        26.00        60.00
CU         CU            6        0.05         0.07         0.02         0.20
DO         DO            4        2.00         0.71         1.00         2.50
DOC        DOC           5       84.84       142.63         0.10       337.00
LAS        LAS           1        0.05          .           0.05         0.05
F          F             6       30.17         1.83        28.00        32.00
HARD       HARD          6      101.83       126.75        40.00       360.00
FE         FE            6        1.11         1.94         0.02         5.00
KJN        KJN           5       13.28         5.80         9.00        23.40
PB         PB            6        0.05         0.04         0.02         0.10
LI         LI            6        3.17         1.46         1.70         5.00
MG         MG            6        6.58         2.38         3.00        10.00
MN         MN            6        0.08         0.06         0.03         0.20
HG         HG            4        0.01         0.01         0.00         0.02
MOLY       MOLY          6        0.72         1.13         0.04         3.00
NI         NI            6        0.05         0.03         0.02         0.10
NO3        NO3           6       29.13        37.24         0.50        92.00
OLGR       OLGR          6       11.67         5.20         5.00        20.00
S2O3       S2O3          4        2.07         3.95         0.10         8.00
PH         PH            4                                  7.60         8.20
K          K             6       16.33        10.46         0.80        28.00
RA         RA            3        4.00         3.46         0.70         7.60
BTR        BTR           2        3.00         2.83         1.00         5.00
RH         RH            0          .            .            .            .
SE         SE            3        0.02         0.01         0.01         0.02
AG         AG            6        0.04         0.08         0.01         0.20
NA         NA            6     2355.00       641.37      1730.00      3200.00
TDS        TDS           5     1040.06      2057.39         0.10      4700.00
SOLS       SOLS          3     5836.67       917.41      4780.00      6430.00
SPC        SPC           4    16275.00     17157.19      7000.00     42000.00
SR         SR            6        0.95         0.23         0.60         1.30
SO4        SO4           6      104.33        83.54         5.00       190.00
TEMP       TEMP          4       15.25         4.57        10.00        21.00
ZN         ZN            6        0.18         0.40         0.02         1.00
TOC        TOC           4       27.80        31.99         0.10        56.00
PHEN       PHEN          5        0.04         0.08         0.00         0.18
CYAN       CYAN          0          .            .            .            .
NH3        NH3           5       14.01         7.73         3.86        22.00
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           5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                   186
                                                                                      14:10 THURSDAY, JANUARY 13, 1983
                                         LOC=WY12

VARIABLE    LABEL          N        MEAN         STANDARD       MINIMUM       MAXIMUM
                                                 DEVIATION      VALUE         VALUE

PST         PST            0          .              .             .             .
SIO2        SIO2           3        0.10           0.00          0.10          0.10
U           U              0          .              .             .             .
SUSS        SUSS           0          .              .             .             .
TH          TH             0          .              .             .             .
CS          CS             0          .              .             .             .
I           I              0          .              .             .             .
SB          SB             0          .              .             .             .
ZR          ZR             0          .              .             .             .
Y           Y              0          .              .             .             .
RB          RB             0          .              .             .             .
GE          GE             0          .              .             .             .
GA          GA             0          .              .             .             .
TI          TI             0          .              .             .             .
SC          SC             0          .              .             .             .
W           W              0          .              .             .             .
CU          CU             4        0.08           0.04          0.02          0.10
V           V              2        0.10           0.00          0.10          0.10
BE          BE             0          .              .             .             .
OH          OH             2        0.10           0.00          0.10          0.10
CH          CH             3        0.10           0.00          0.10          0.10
PA          PA             0          .              .             .             .
MA          MA             0          .              .             .             .
SCN         SCN            0          .              .             .             .
TURB        TURB           0          .              .             .             .
FF          FF             0          .              .             .             .
TSSF        TSSF           0          .              .             .             .
R228        R228           0          .              .             .             .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                   75
                                                                          14:10 THURSDAY, JANUARY 13, 1983
                                        LOC=WG12

VARIABLE    LABEL          N        MEAN      STANDARD      MINIMUM       MAXIMUM
                                              DEVIATION     VALUE         VALUE

TALK        TALK           1     2800.00          .         2800.00       2800.00
AL          AL             1        0.10          .            0.10          0.10
ARS         ARS            1        0.02          .            0.02          0.02
FCOLIF      FCOLIF         0          .           .              .             .
BA          BA             1        0.50          .            0.50          0.50
HCO3        HCO3           1     2000.00          .         2000.00       2000.00
BOD         BOD            1      150.00          .          150.00        150.00
B           B              1        5.70          .            5.70          5.70
BR          BR             1        0.10          .            0.10          0.10
TCOLIF      TCOLIF         0          .           .              .             .
CD          CD             0          .           .              .             .
CA          CA             1        5.10          .            5.10          5.10
CO3         CO3            1      800.00          .          800.00        800.00
CL          CL             1      140.00          .          140.00        140.00
CR          CR             1        0.02          .            0.02          0.02
COD         COD            1       80.00          .           80.00         80.00
CU          CU             1        0.02          .            0.02          0.02
DO          DO             1        0.58          .            0.58          0.58
DOC         DOC            1       14.00          .           14.00         14.00
LAS         LAS            0          .           .              .             .
F           F              1       32.00          .           32.00         32.00
HARD        HARD           1       34.00          .           34.00         34.00
FE          FE             1        0.10          .            0.10          0.10
KJN         KJN            1        3.40          .            3.40          3.40
PB          PB             1        0.02          .            0.02          0.02
LI          LI             1        0.60          .            0.60          0.60
MG          MG             1        5.10          .            5.10          5.10
MN          MN             1        0.07          .            0.07          0.07
HG          HG             1        0.00          .            0.00          0.00
MOLY        MOLY           1        0.10          .            0.10          0.10
NI          NI             1        0.03          .            0.03          0.03
NO3         NO3            1        0.50          .            0.50          0.50
OLGR        OLGR           1       10.00          .           10.00         10.00
S2O3        S2O3           0          .           .              .             .
PH          PH             1                                   8.13          8.13
K           K              1       20.00          .           20.00         20.00
RA          RA             1        3.00          .            3.00          3.00
STR         STR            1       16.00          .           16.00         16.00
RR          RR             0          .           .              .             .
SE          SE             1        0.01          .            0.01          0.01
AG          AG             1        0.01          .            0.01          0.01
NA          NA             1     1600.00          .         1600.00       1600.00
TDS         TDS            1     3200.00          .         3200.00       3200.00
SOLS        SOLS           0          .           .              .             .
SPC         SPC            1     4690.00          .         4690.00       4690.00
SR          SR             1        1.40          .            1.40          1.40
SO4         SO4            1        7.00          .            7.00          7.00
TEMP        TEMP           1       23.00          .           23.00         23.00
ZN          ZN             1        0.02          .            0.02          0.02
TOC         TOC            0          .           .              .             .
PHEN        PHEN           1        0.00          .            0.00          0.00
CYAN        CYAN           0          .           .              .             .
NH3         NH3            1        2.70          .            2.70          2.70
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                   76
                                                                        14:10 THURSDAY, JANUARY 13, 1983
                                          LOC=W612

VARIABLE   LABEL          N         MEAN       STANDARD       MINIMUM       MAXIMUM
                                               DEVIATION       VALUE         VALUE

PST        PST            0           .            .             .             .
SIO2       SIO2           1         9.00           .           9.00          9.00
U          U              0           .            .             .             .
SUSS       SUSS           0           .            .             .             .
TH         TH             0           .            .             .             .
CS         CS             0           .            .             .             .
I          I              0           .            .             .             .
SB         SB             0           .            .             .             .
ZR         ZR             0           .            .             .             .
Y          Y              0           .            .             .             .
RB         RB             0           .            .             .             .
GE         GE             0           .            .             .             .
GA         GA             0           .            .             .             .
TI         TI             0           .            .             .             .
SC         SC             0           .            .             .             .
W          W              0           .            .             .             .
CU         CU             0           .            .             .             .
V          V              0           .            .             .             .
BE         BE             0           .            .             .             .
UH         UH             0           .            .             .             .
CR         CR             0           .            .             .             .
RA         RA             0           .            .             .             .
NA         NA             0           .            .             .             .
SCN        SCN            1         0.10           .           0.10          0.10
TURB       TURB           0           .            .             .             .
FF         FF             0           .            .             .             .
TSSF       TSSF           0           .            .             .             .
R228       R228           0           .            .             .             .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                    187
                                                                          14:10 THURSDAY, JANUARY 13, 1983
                                   LOC=WY17

VARIABLE   LABEL          N        MEAN       STANDARD      MINIMUM       MAXIMUM
                                              DEVIATION      VALUE         VALUE

TALK       TALK           6     2398.33        1232.08      1700.00       4890.00
AL         AL             6        0.16           0.13         0.04          0.40
ARS        ARS            6        0.02           0.00         0.02          0.02
FCOLIF     FCOLIF         1        1.00            .           1.00          1.00
BA         BA             6        4.52           1.44         2.70          6.30
HCO3       HCO3           6     2276.67        1276.21      1700.00       4880.00
BOD        BOD            6        6.72           6.19         0.50         15.00
B          B              6        8.02           2.81         5.50         12.60
BR         BR             5        0.10           0.00         0.10          0.10
TCOLIF     TCOLIF         1        1.00            .           1.00          1.00
CD         CD             4        0.02           0.00         0.02          0.02
CA         CA             6        9.10           2.31         6.20         12.00
CO3        CO3            6      111.50         147.94         1.00        400.00
CL         CL             6      219.00         129.11         4.00        390.00
CR         CR             6        0.04           0.03         0.02          0.10
COD        COD            6       26.00          10.26        13.00         37.00
CU         CU             6        0.05           0.07         0.02          0.20
DO         DO             4        3.87           2.25         1.00          6.30
DOC        DOC            5       53.62          68.72         0.10        162.00
LAS        LAS            1        0.05            .           0.05          0.05
F          F              6       23.00           2.53        21.00         28.00
HARD       HARD           6       45.67           8.50        36.00         58.00
FE         FE             6        1.03           1.96         0.02          5.00
KJN        KJN            6        5.40           1.73         3.00          8.00
PB         PB             6        0.07           0.07         0.02          0.20
LI         LI             6        0.82           0.35         0.40          1.40
MG         MG             6        5.10           1.77         2.00          7.00
MN         MN             6        0.07           0.07         0.02          0.20
HG         HG             5        0.01           0.01         0.00          0.02
MOLY       MOLY           6        0.03           0.03         0.01          0.10
NI         NI             6        0.04           0.03         0.02          0.10
NO3        NO3            6        6.00           5.60         0.10         15.00
OLGR       OLGR           6        5.40           4.99         1.00         12.00
S2O3       S2O3           4        2.05           3.33         0.10          7.00
PH         PH             4                                    7.70          7.90
K          K              6        6.33           3.98         0.50         11.00
RA         RA             5        3.80           3.75         0.40          9.80
HTR        BTR            4       22.75          22.81         3.00         43.00
RR         RR             2        1.35           1.06         0.60          2.10
SE         SE             4        0.02           0.00         0.02          0.02
AG         AG             5        0.01           0.01         0.01          0.02
NA         NA             6     1421.67         695.43       900.00       2700.00
TDS        TDS            5      936.06        1281.93         0.10       2380.00
SOLS       SOLS           3     3070.00         409.51      2700.00       3510.00
SPC        SPC            4     9945.00       10707.57      4280.00      26000.00
SR         SR             6        1.82           0.52         1.20          2.60
SO4        SO4            6       52.50          86.94         4.00        222.00
TEMP       TEMP           4       18.50           3.11        14.00         21.00
ZN         ZN             6        0.05           0.04         0.02          0.10
TOC        TOC            4       94.77         100.45         0.10        228.00
PHEN       PHEN           5        0.01           0.01         0.00          0.02
CYAN       CYAN           0          .              .            .             .
NH3        NH3            5        5.71           2.12         2.50          8.30
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                      188
                                                                 14:10 THURSDAY, JANUARY 13, 1983
                                        LOC=WY17

VARIABLE    LABEL            N        MEAN      STANDARD      MINIMUM      MAXIMUM
                                                DEVIATION      VALUE        VALUE

PST         PST              0          .           .            .            .
SIO2        SIO2             3        0.10        0.00         0.10         0.10
U           U                0          .           .            .            .
SUSS        SUSS             0          .           .            .            .
TH          TH               0          .           .            .            .
CS          CS               0          .           .            .            .
I           I                0          .           .            .            .
SB          SB               0          .           .            .            .
ZR          ZR               0          .           .            .            .
Y           Y                0          .           .            .            .
RB          RB               0          .           .            .            .
GE          GE               0          .           .            .            .
GA          GA               0          .           .            .            .
TI          TI               0          .           .            .            .
SC          SC               0          .           .            .            .
*           *                0          .           .            .            .
CO          CO               4        0.06        0.05         0.02         0.10
V           V                2        0.10        0.00         0.10         0.10
BE          BE               0          .           .            .            .
OH          OH               2        0.10        0.00         0.10         0.10
CH          CH               3        0.10        0.00         0.10         0.10
PA          PA               0          .           .            .            .
MA          MA               0          .           .            .            .
SCN         SCN              0          .           .            .            .
TURB        TURB             0          .           .            .            .
FF          FF               0          .           .            .            .
TSSF        TSSF             0          .           .            .            .
R228        R228             0          .           .            .            .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                                       77
                                                                                    14:10 THURSDAY, JANUARY 13, 1983
                                   LOC=#G17

VARIABLE   LABEL          N       MEAN       STANDARD     MINIMUM      MAXIMUM
                                             DEVIATION     VALUE        VALUE

TALK       TALK           1      640.00          .        640.00       640.00
AL         AL             1        0.10          .          0.10         0.10
ARS        ARS            1        0.02          .          0.02         0.02
FCOLIF     FCOLIF         0         .            .           .            .
BA         BA             1        2.30          .          2.30         2.30
HCO3       HCO3           1        1.00          .          1.00         1.00
BOD        BOD            1      150.00          .        150.00       150.00
B          B              1        0.40          .          0.40         0.40
BR         BR             1        0.10          .          0.10         0.10
TCOLIF     TCOLIF         0         .            .           .            .
CD         CD             0         .            .           .            .
CA         CA             1      250.00          .        250.00       250.00
CO3        CO3            1      640.00          .        640.00       640.00
CL         CL             1     1300.00          .       1300.00      1300.00
CR         CR             1        0.02          .          0.02         0.02
COD        COD            1      147.00          .        147.00       147.00
CU         CU             1        0.04          .          0.04         0.04
DO         DO             1        2.54          .          2.54         2.54
DOC        DOC            1       16.00          .         16.00        16.00
LAS        LAS            0         .            .           .            .
F          F              1        1.80          .          1.80         1.80
HARD       HARD           1      620.00          .        620.00       620.00
FE         FE             1        0.08          .          0.08         0.08
KJN        KJN            1        3.60          .          3.60         3.60
PB         PB             1        0.02          .          0.02         0.02
LI         LI             1        1.20          .          1.20         1.20
MG         MG             1        0.50          .          0.50         0.50
MN         MN             1        0.02          .          0.02         0.02
HG         HG             1        0.00          .          0.00         0.00
MOLY       MOLY           1        0.30          .          0.30         0.30
NI         NI             1        0.05          .          0.05         0.05
NO3        NO3            1        0.50          .          0.50         0.50
OLGR       OLGR           1        9.00          .          9.00         9.00
S2O3       S2O3           0         .            .           .            .
PH         PH             1                                11.20        11.20
K          K              1      220.00          .        220.00       220.00
RA         RA             0         .            .           .            .
BTR        BTR            0         .            .           .            .
RR         RR             0         .            .           .            .
SE         SE             1        0.01          .          0.01         0.01
AG         AG             1        0.01          .          0.01         0.01
NA         NA             1      700.00          .        700.00       700.00
TDS        TDS            1     1600.00          .       1600.00      1600.00
SOLS       SOLS           0         .            .           .            .
SPC        SPC            1     5620.00          .       5620.00      5620.00
SR         SR             1       12.00          .         12.00        12.00
SO4        SO4            1       15.00          .         15.00        15.00
TEMP       TEMP           1       25.00          .         25.00        25.00
ZN         ZN             1        0.02          .          0.02         0.02
TOC        TOC            0         .            .           .            .
PHEN       PHEN           1        0.04          .          0.04         0.04
CYAN       CYAN           0         .            .           .            .
NH3        NH3            1        3.80          .          3.80         3.80
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                      78
                                                                          14:10 THURSDAY, JANUARY 13, 1983
                                       LOC=#617

VARIABLE   LABEL              N        MEAN        STANDARD       MINIMUM        MAXIMUM
                                                   DEVIATION       VALUE          VALUE

PST        PST                0          .             .             .              .
SIO2       SIO2               1        1.00            .           1.00           1.00
U          U                  0          .             .             .              .
SUSS       SUSS               0          .             .             .              .
TH         TH                 0          .             .             .              .
CS         CS                 0          .             .             .              .
I          I                  0          .             .             .              .
SB         SB                 0          .             .             .              .
ZR         ZR                 0          .             .             .              .
Y          Y                  0          .             .             .              .
RB         RB                 0          .             .             .              .
GE         GE                 0          .             .             .              .
GA         GA                 0          .             .             .              .
TI         TI                 0          .             .             .              .
SC         SC                 0          .             .             .              .
W          W                  0          .             .             .              .
CO         CO                 0          .             .             .              .
V          V                  0          .             .             .              .
BE         BE                 0          .             .             .              .
UH         UH                 0          .             .             .              .
CH         CH                 0          .             .             .              .
PA         PA                 0          .             .             .              .
MA         MA                 0          .             .             .              .
SCN        SCN                1        0.20            .           0.20           0.20
TURB       TURB               0          .             .             .              .
FF         FF                 0          .             .             .              .
TSSF       TSSF               0          .             .             .              .
R228       R228               0          .             .             .              .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                              79
                                                                        14:10 THURSDAY, JANUARY 13, 1983
                                         LOC=#G18

VARIABLE   LABEL          N        MEAN      STANDARD        MINIMUM       MAXIMUM
                                             DEVIATION         VALUE         VALUE

TALK       TALK           1      520.00           .           520.00        520.00
AL         AL             1        0.10           .             0.10          0.10
ARS        ARS            1        0.02           .             0.02          0.02
FCOLIF     FCOLIF         0         .             .              .             .
BA         BA             1        0.50           .             0.50          0.50
HCO3       HCO3           1      450.00           .           450.00        450.00
BOD        BOD            1      150.00           .           150.00        150.00
B          B              1        0.20           .             0.20          0.20
BR         BR             1        0.10           .             0.10          0.10
TCOLIF     TCOLIF         0         .             .              .             .
CD         CD             0         .             .              .             .
CA         CA             1       52.00           .            52.00         52.00
CO3        CO3            1       68.00           .            68.00         68.00
CL         CL             1       52.00           .            52.00         52.00
CR         CR             1        0.02           .             0.02          0.02
COD        COD            1       93.00           .            93.00         93.00
CU         CU             1        0.03           .             0.03          0.03
DO         DO             1        1.03           .             1.03          1.03
DOC        DOC            1       38.00           .            38.00         38.00
LAS        LAS            0         .             .              .             .
F          F              1        4.80           .             4.80          4.80
HARD       HARD           1      410.00           .           410.00        410.00
FE         FE             1        0.20           .             0.20          0.20
KJN        KJN            1        1.40           .             1.40          1.40
PB         PB             1        0.02           .             0.02          0.02
LI         LI             1        0.09           .             0.09          0.09
MG         MG             1       67.00           .            67.00         67.00
MN         MN             1        0.20           .             0.20          0.20
HG         HG             1        0.00           .             0.00          0.00
MOLY       MOLY           1        0.04           .             0.04          0.04
NI         NI             1        0.05           .             0.05          0.05
NO3        NO3            1        0.50           .             0.50          0.50
OLGR       OLGR           1        9.00           .             9.00          9.00
S2O3       S2O3           0         .             .              .             .
PH         PH             1                                     7.62          7.62
K          K              1        3.40           .             3.40          3.40
RA         RA             0         .             .              .             .
BTR        BTR            0         .             .              .             .
RR         RR             0         .             .              .             .
SE         SE             1        0.01           .             0.01          0.01
AG         AG             1        0.01           .             0.01          0.01
NA         NA             1      200.00           .           200.00        200.00
TDS        TDS            1      950.00           .           950.00        950.00
SOLS       SOLS           0         .             .              .             .
SPC        SPC            1     1390.00           .          1390.00       1390.00
SR         SR             1        9.70           .             9.70          9.70
SO4        SO4            1      260.00           .           260.00        260.00
TEMP       TEMP           1       24.00           .            24.00         24.00
ZN         ZN             1        0.02           .             0.02          0.02
TOC        TOC            0         .             .              .             .
PHEN       PHEN           1        0.02           .             0.02          0.02
CYAN       CYAN           0         .             .              .             .
NH3        NH3            1        1.10           .             1.10          1.10
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    5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                80
                                                                            14:10 THURSDAY, JANUARY 13, 1983
                                        LOC=#G18

VARIABLE   LABEL          N        MEAN        STANDARD       MINIMUM        MAXIMUM
                                               DEVIATION       VALUE          VALUE

PST        PST            0          .             .              .              .
SIO2       SIO2           1        12.00           .            12.00          12.00
U          U              0          .             .              .              .
SUSS       SUSS           0          .             .              .              .
TH         TH             0          .             .              .              .
CS         CS             0          .             .              .              .
I          I              0          .             .              .              .
SB         SB             0          .             .              .              .
ZR         ZR             0          .             .              .              .
Y          Y              0          .             .              .              .
RB         RB             0          .             .              .              .
GE         GE             0          .             .              .              .
GA         GA             0          .             .              .              .
TI         TI             0          .             .              .              .
SC         SC             0          .             .              .              .
W          W              0          .             .              .              .
CU         CU             0          .             .              .              .
V          V              0          .             .              .              .
BE         BE             0          .             .              .              .
OH         OH             0          .             .              .              .
CH         CH             0          .             .              .              .
PA         PA             0          .             .              .              .
MA         MA             0          .             .              .              .
SCN        SCN            1         0.10           .             0.10           0.10
TURB       TURB           0          .             .              .              .
FF         FF             0          .             .              .              .
TSSF       TSSF           0          .             .              .              .
R228       R228           0          .             .              .              .
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            5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                     81
                                                                                   14:10 THURSDAY, JANUARY 13, 1983
                                              LOC=#620

VARIABLE   LABEL          N        MEAN         STANDARD       MINIMUM        MAXIMUM
                                                DEVIATION        VALUE          VALUE

TALK       TALK           1     1600.00             .         1600.00        1600.00
AL         AL             1        0.10             .            0.10           0.10
ARS        ARS            1        0.02             .            0.02           0.02
FCOLIF     FCOLIF         0         .               .             .              .
BA         BA             1        0.50             .            0.50           0.50
HCO3       HCO3           1     1200.00             .         1200.00        1200.00
BOD        BOD            1      150.00             .          150.00         150.00
B          B              1        1.60             .            1.60           1.60
BR         BR             1        0.10             .            0.10           0.10
TCOLIF     TCOLIF         0         .               .             .              .
CD         CD             0         .               .             .              .
CA         CA             1        5.80             .            5.80           5.80
CO3        CO3            1      380.00             .          380.00         380.00
CL         CL             1      100.00             .          100.00         100.00
CR         CR             1        0.02             .            0.02           0.02
COD        COD            1      149.00             .          149.00         149.00
CU         CU             1        0.02             .            0.02           0.02
DO         DO             1        3.06             .            3.06           3.06
DOC        DOC            1        6.00             .            6.00           6.00
LAS        LAS            0         .               .             .              .
F          F              1       28.00             .           28.00          28.00
HARD       HARD           1      160.00             .          160.00         160.00
FE         FE             1        0.10             .            0.10           0.10
KJN        KJN            1        4.30             .            4.30           4.30
PB         PB             1        0.02             .            0.02           0.02
LI         LI             1        0.20             .            0.20           0.20
MG         MG             1        3.20             .            3.20           3.20
MN         MN             1        0.03             .            0.03           0.03
HG         HG             1        0.00             .            0.00           0.00
MOLY       MOLY           1        0.02             .            0.02           0.02
NI         NI             1        0.03             .            0.03           0.03
NO3        NO3            1        0.50             .            0.50           0.50
OLGR       OLGR           1       43.00             .           43.00          43.00
S2O3       S2O3           0         .               .             .              .
PH         PH             1                                      8.81           8.81
K          K              1       10.00             .           10.00          10.00
RA         RA             0         .               .             .              .
BTR        BTR            0         .               .             .              .
RR         RR             0         .               .             .              .
SE         SE             1        0.01             .            0.01           0.01
AG         AG             1        0.01             .            0.01           0.01
NA         NA             1      830.00             .          830.00         830.00
TDS        TDS            1     1900.00             .         1900.00        1900.00
SOLS       SOLS           0         .               .             .              .
SPC        SPC            1     2830.00             .         2830.00        2830.00
SR         SR             1        0.50             .            0.50           0.50
SO4        SO4            1       13.00             .           13.00          13.00
TEMP       TEMP           1       25.00             .           25.00          25.00
ZN         ZN             1        0.03             .            0.03           0.03
TOC        TOC            0         .               .             .              .
PHEN       PHEN           1        0.00             .            0.00           0.00
CYAN       CYAN           0         .               .             .              .
NH3        NH3            1        1.50             .            1.50           1.50
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            5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                    82
                                                                              14:10 THURSDAY, JANUARY 13, 1983
                                                LOC=#620

VARIABLE    LABEL              N         MEAN        STANDARD        MINIMUM        MAXIMUM
                                                     DEVIATION        VALUE          VALUE

PST         PST                0           .             .              .              .
SIO2        SIO2               1         12.00           .            12.00          12.00
U           U                  0           .             .              .              .
SUSS        SUSS               0           .             .              .              .
TH          TH                 0           .             .              .              .
CS          CS                 0           .             .              .              .
I           I                  0           .             .              .              .
SB          SB                 0           .             .              .              .
ZR          ZR                 0           .             .              .              .
Y           Y                  0           .             .              .              .
NB          NB                 0           .             .              .              .
GE          GE                 0           .             .              .              .
GA          GA                 0           .             .              .              .
TI          TI                 0           .             .              .              .
SC          SC                 0           .             .              .              .
*           *                  0           .             .              .              .
CO          CO                 0           .             .              .              .
V           V                  0           .             .              .              .
BE          BE                 0           .             .              .              .
UH          UH                 0           .             .              .              .
CH          CH                 0           .             .              .              .
PA          PA                 0           .             .              .              .
MA          MA                 0           .             .              .              .
SCN         SCN                1          0.10           .             0.10           0.10
TURB        TURB               0           .             .              .              .
FF          FF                 0           .             .              .              .
TSSF        TSSF               0           .             .              .              .
R226        R223               0           .             .              .              .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                  83
                                                                      14:10 THURSDAY, JANUARY 13, 1983
                                   LOC=#621

VARIABLE   LABEL           N        MEAN        STANDARD        MINIMUM        MAXIMUM
                                                DEVIATION        VALUE          VALUE

TALK       TALK            1      740.00            .            740.00         740.00
AL         AL              1        0.10            .              0.10           0.10
ARS        ARS             1        0.03            .              0.03           0.03
FCOLIF     FCOLIF          0         .              .               .              .
BA         BA              1        0.50            .              0.50           0.50
HCO3       HCO3            1      440.00            .            440.00         440.00
BOD        BOD             1      150.00            .            150.00         150.00
B          B               1        0.60            .              0.60           0.60
BR         BR              1        0.10            .              0.10           0.10
TCOLIF     TCOLIF          0         .              .               .              .
CD         CD              0         .              .               .              .
CA         CA              1        6.50            .              6.50           6.50
CO3        CO3             1      300.00            .            300.00         300.00
CL         CL              1       41.00            .             41.00          41.00
CR         CR              1        0.02            .              0.02           0.02
COD        COD             1       50.00            .             50.00          50.00
CU         CU              1        0.02            .              0.02           0.02
DO         DO              1        4.29            .              4.29           4.29
DOC        DOC             1        4.00            .              4.00           4.00
LAS        LAS             0         .              .               .              .
F          F               1       16.00            .             16.00          16.00
HARD       HARD            1       34.00            .             34.00          34.00
FE         FE              1        0.20            .              0.20           0.20
KJN        KJN             1        1.60            .              1.60           1.60
PB         PB              1        0.02            .              0.02           0.02
LI         LI              1        0.05            .              0.05           0.05
MG         MG              1        4.30            .              4.30           4.30
MN         MN              1        0.02            .              0.02           0.02
HG         HG              1        0.00            .              0.00           0.00
MOLY       MOLY            1        0.10            .              0.10           0.10
NI         NI              1        0.02            .              0.02           0.02
NO3        NO3             1        0.50            .              0.50           0.50
OLGR       OLGR            1       10.00            .             10.00          10.00
S2O3       S2O3            0         .              .               .              .
PH         PH              1                                       9.05           9.05
K          K               1       11.00            .             11.00          11.00
RA         RA              1        3.00            .              3.00           3.00
BTR        BTR             1        4.00            .              4.00           4.00
RR         RR              0         .              .               .              .
SE         SE              1        0.01            .              0.01           0.01
AG         AG              1        0.01            .              0.01           0.01
NA         NA              1      370.00            .            370.00         370.00
TDS        TDS             1      860.00            .            860.00         860.00
SOLS       SOLS            0         .              .               .              .
SPC        SPC             1     1460.00            .           1460.00        1460.00
SR         SR              1        1.20            .              1.20           1.20
SO4        SO4             1       24.00            .             24.00          24.00
TEMP       TEMP            1       20.00            .             20.00          20.00
ZN         ZN              1        0.02            .              0.02           0.02
TOC        TOC             0         .              .               .              .
PHEN       PHEN            1        0.03            .              0.03           0.03
CYAN       CYAN            0         .              .               .              .
NH3        NH3             1        1.40            .              1.40           1.40
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                    84
                                                          14:10 THURSDAY, JANUARY 13, 1983
                              LOC=#621

VARIABLE   LABEL           N        MEAN        STANDARD       MINIMUM       MAXIMUM
                                                DEVIATION       VALUE         VALUE

PST        PST             0          .             .             .             .
SIO2       SIO2            1        8.80            .           8.80          8.80
U          U               0          .             .             .             .
SUSS       SUSS            0          .             .             .             .
TH         TH              0          .             .             .             .
CS         CS              0          .             .             .             .
I          I               0          .             .             .             .
SB         SB              0          .             .             .             .
ZR         ZR              0          .             .             .             .
Y          Y               0          .             .             .             .
RB         RB              0          .             .             .             .
GE         GE              0          .             .             .             .
GA         GA              0          .             .             .             .
TI         TI              0          .             .             .             .
SC         SC              0          .             .             .             .
#          #               0          .             .             .             .
CO         CO              0          .             .             .             .
V          V               0          .             .             .             .
BE         BE              0          .             .             .             .
OH         OH              0          .             .             .             .
CH         CH              0          .             .             .             .
PA         PA              0          .             .             .             .
MA         MA              0          .             .             .             .
SCN        SCN             1        0.10            .           0.10          0.10
TURB       TURB            0          .             .             .             .
FF         FF              0          .             .             .             .
TSSF       TSSF            0          .             .             .             .
R228       R228            0          .             .             .             .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                  95
                                                                     14:10 THURSDAY, JANUARY 13, 1983
                                 LOC=WH21

VARIABLE    LABEL          N         MEAN       STANDARD        MINIMUM       MAXIMUM
                                                DEVIATION        VALUE         VALUE

TALK        TALK           1       410.00           .           410.00        410.00
AL          AL             1         0.10           .             0.10          0.10
ARS         ARS            1         0.02           .             0.02          0.02
FCOLIF      FCOLIF         0          .             .              .             .
BA          BA             1         0.50           .             0.50          0.50
HCO3        HCO3           1       230.00           .           230.00        230.00
BOD         BOD            1       150.00           .           150.00        150.00
B           B              1         0.30           .             0.30          0.30
BR          BR             1         0.10           .             0.10          0.10
TCOLIF      TCOLIF         0          .             .              .             .
CD          CD             0          .             .              .             .
CA          CA             1         6.10           .             6.10          6.10
CO3         CO3            1       180.00           .           180.00        180.00
CL          CL             1        30.00           .            30.00         30.00
CR          CR             1         0.02           .             0.02          0.02
COD         COD            1        50.00           .            50.00         50.00
CU          CU             1         0.02           .             0.02          0.02
DO          DO             1         3.30           .             3.30          3.30
DOC         DOC            1        14.00           .            14.00         14.00
LAS         LAS            0          .             .              .             .
F           F              1        14.00           .            14.00         14.00
HARD        HARD           1        36.00           .            36.00         36.00
FE          FE             1         0.30           .             0.30          0.30
KJN         KJN            1         1.60           .             1.60          1.60
PB          PB             1         0.02           .             0.02          0.02
LI          LI             1         0.05           .             0.05          0.05
MG          MG             1         5.00           .             5.00          5.00
MN          MN             1         0.02           .             0.02          0.02
HG          HG             1         0.00           .             0.00          0.00
MOLY        MOLY           1         0.03           .             0.03          0.03
NI          NI             1         0.02           .             0.02          0.02
NO3         NO3            1         0.50           .             0.50          0.50
OLGR        OLGR           1        10.00           .            10.00         10.00
S2O3        S2O3           0          .             .              .             .
PH          PH             1                                      8.93          8.93
K           K              1        10.00           .            10.00         10.00
RA          RA             1         2.00           .             2.00          2.00
BTR         BTR            1        10.00           .            10.00         10.00
RR          RR             0          .             .              .             .
SE          SE             1         0.01           .             0.01          0.01
AG          AG             1         0.01           .             0.01          0.01
NA          NA             1       200.00           .           200.00        200.00
TDS         TDS            1       500.00           .           500.00        500.00
SOLS        SOLS           0          .             .              .             .
SPC         SPC            1       850.00           .           850.00        850.00
SR          SR             1         0.90           .             0.90          0.90
SO4         SO4            1        23.00           .            23.00         23.00
TEMP        TEMP           1        21.00           .            21.00         21.00
ZN          ZN             1         0.02           .             0.02          0.02
TOC         TOC            0          .             .              .             .
PHEN        PHEN           1         0.05           .             0.05          0.05
CYAN        CYAN           0          .             .              .             .
NH3         NH3            1         1.60           .             1.60          1.60
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                        96
                                                                              14:10 THURSDAY, JANUARY 13, 1983
                                   LOC=#H21

VARIABLE    LABEL              N         MEAN         STANDARD        MINIMUM        MAXIMUM
                                                      DEVIATION        VALUE          VALUE

PST         PST                0           .               .              .              .
SIO2        SIO2               1         8.50              .            8.50           8.50
U           U                  0           .               .              .              .
SUSS        SUSS               0           .               .              .              .
TH          TH                 0           .               .              .              .
CS          CS                 0           .               .              .              .
I           I                  0           .               .              .              .
SB          SB                 0           .               .              .              .
ZR          ZR                 0           .               .              .              .
Y           Y                  0           .               .              .              .
RB          RB                 0           .               .              .              .
GE          GE                 0           .               .              .              .
GA          GA                 0           .               .              .              .
TI          TI                 0           .               .              .              .
SC          SC                 0           .               .              .              .
*           *                  0           .               .              .              .
CO          CO                 0           .               .              .              .
V           V                  0           .               .              .              .
BE          BE                 0           .               .              .              .
OH          OH                 0           .               .              .              .
CH          CH                 0           .               .              .              .
PA          PA                 0           .               .              .              .
MA          MA                 0           .               .              .              .
SCN         SCN                1         0.10              .            0.10           0.10
TURB        TURB               0           .               .              .              .
FF          FF                 0           .               .              .              .
TSSF        TSSF               0           .               .              .              .
R226        R226               0           .               .              .              .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                     85
                                                                      14:10 THURSDAY, JANUARY 13, 1983
                                      LOC=#641

VARIABLE   LABEL            N          MEAN       STANDARD        MINIMUM         MAXIMUM
                                                  DEVIATION        VALUE           VALUE

TALK       TALK             1        560.00           .           560.00          560.00
AL         AL               1          0.10           .             0.10            0.10
ARS        ARS              1          0.02           .             0.02            0.02
FCOLIF     FCOLIF           0           .             .              .               .
BA         BA               1          0.50           .             0.50            0.50
HCO3       HCO3             1        440.00           .           440.00          440.00
BOD        BOD              1        150.00           .           150.00          150.00
B          B                1          0.80           .             0.80            0.80
BR         BR               1          0.10           .             0.10            0.10
TCOLIF     TCOLIF           0           .             .              .               .
CD         CD               0           .             .              .               .
CA         CA               1          3.90           .             3.90            3.90
CO3        CO3              1        220.00           .           220.00          220.00
CL         CL               1         11.00           .            11.00           11.00
CR         CR               1          0.02           .             0.02            0.02
COD        COD              1         64.00           .            64.00           64.00
CU         CU               1          0.02           .             0.02            0.02
DO         DO               1          1.03           .             1.03            1.03
DOC        DOC              1         14.00           .            14.00           14.00
LAS        LAS              0           .             .              .               .
F          F                1         20.00           .            20.00           20.00
HARD       HARD             1         24.00           .            24.00           24.00
FE         FE               1          0.02           .             0.02            0.02
KJN        KJN              1          1.40           .             1.40            1.40
PB         PB               1          0.02           .             0.02            0.02
LI         LI               1          0.05           .             0.05            0.05
MG         MG               1          3.40           .             3.40            3.40
MN         MN               1          0.02           .             0.02            0.02
HG         HG               1          0.00           .             0.00            0.00
MOLY       MOLY             1          0.06           .             0.06            0.06
NI         NI               1          0.02           .             0.02            0.02
NO3        NO3              1          0.50           .             0.50            0.50
OLGR       OLGR             1         10.00           .            10.00           10.00
S2O3       S2O3             0           .             .              .               .
PH         PH               1                                        8.97            8.97
K          K                1          8.80           .             8.80            8.80
RA         RA               0           .             .              .               .
BTR        BTR              0           .             .              .               .
RR         RR               0           .             .              .               .
SE         SE               1          0.01           .             0.01            0.01
AG         AG               1          0.01           .             0.01            0.01
NA         NA               1        310.00           .           310.00          310.00
TDS        TDS              1        750.00           .           750.00          750.00
SOLS       SOLS             0           .             .              .               .
SPC        SPC              1       1183.00           .          1183.00         1183.00
SR         SR               1          1.40           .             1.40            1.40
SO4        SO4              1          5.00           .             5.00            5.00
TEMP       TEMP             1         19.00           .            19.00           19.00
ZN         ZN               1          0.02           .             0.02            0.02
TOC        TOC              0           .             .              .               .
PHEN       PHEN             1          0.02           .             0.02            0.02
CYAN       CYAN             0           .             .              .               .
NH3        NH3              1          1.40           .             1.40            1.40
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                   86
                                                      14:10 THURSDAY, JANUARY 13, 1983
                                   LOC=#G41

VARIABLE    LABEL           N        MEAN       STANDARD        MINIMUM       MAXIMUM
                                                DEVIATION       VALUE         VALUE

PST         PST             0         .             .              .             .
SIO2        SIO2            0         .             .              .             .
U           U               0         .             .              .             .
SUSS        SUSS            0         .             .              .             .
TH          TH              0         .             .              .             .
CS          CS              0         .             .              .             .
I           I               0         .             .              .             .
SB          SB              0         .             .              .             .
ZR          ZR              0         .             .              .             .
Y           Y               0         .             .              .             .
RB          RB              0         .             .              .             .
GE          GE              0         .             .              .             .
GA          GA              0         .             .              .             .
TI          TI              0         .             .              .             .
SC          SC              0         .             .              .             .
W           W               0         .             .              .             .
CO          CO              0         .             .              .             .
V           V               0         .             .              .             .
BE          BE              0         .             .              .             .
OH          OH              0         .             .              .             .
CH          CH              0         .             .              .             .
PA          PA              0         .             .              .             .
MA          MA              0         .             .              .             .
SCN         SCN             1        0.10           .             0.10          0.10
TURB        TURB            0         .             .              .             .
FF          FF              0         .             .              .             .
TSSF        TSSF            0         .             .              .             .
R228        R228            0         .             .              .             .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                        189
                                                                              14:10 THURSDAY, JANUARY 13, 1983
                                         LOC=WY45

VARIABLE  LABEL            N        MEAN       STANDARD      MINIMUM       MAXIMUM
                                               DEVIATION      VALUE         VALUE

TALK      TALK             8      717.50         93.92        640.00        940.00
AL        AL               8        0.11          0.06          0.02          0.30
ARS       ARS              6        0.02          0.00          0.02          0.02
FCOLIF    FCOLIF           1        1.00           .            1.00          1.00
BA        BA               8        1.39          0.96          0.50          3.10
HCO3      HCO3             8      612.50        123.61        490.00        890.00
BOD       BOD              6       55.00         56.82         13.00        150.00
B         B                8        0.74          0.18          0.40          1.00
BR        BR               7        0.10          0.00          0.10          0.10
TCOLIF    TCOLIF           2        1.00          0.00          1.00          1.00
CD        CD               3        0.02          0.00          0.02          0.02
CA        CA               8        4.66          1.50          2.80          6.90
CO3       CO3              8      102.38         77.44          3.00        240.00
CL        CL               8       11.32         10.85          2.00         36.00
CR        CR               7        0.02          0.00          0.02          0.02
COD       COD              8       50.06         54.90          5.20        140.00
CU        CU               8        0.03          0.03          0.02          0.10
DO        DO               4        2.67          0.96          1.70          3.50
DOC       DOC              7        3.83          3.50          0.10          8.00
LAS       LAS              2        0.04          0.01          0.04          0.05
F         F                8       20.38          2.00         19.00         25.00
HARD      HARD             7       76.86        118.31         14.00        340.00
FE        FE               8        0.16          0.24          0.01          0.60
KJN       KJN              6        1.58          0.74          1.00          3.00
PB        PB               6        0.03          0.02          0.02          0.05
LI        LI               8        0.25          0.58          0.03          1.70
MG        MG               8        2.30          1.05          0.02          3.20
MN        MN               8        0.02          0.01          0.00          0.05
HG        HG               7        0.01          0.01          0.00          0.02
MOLY      MOLY             8        0.02          0.01          0.01          0.04
NI        NI               7        1.32          3.43          0.02          9.10
NO3       NO3              8        6.56         12.57          0.10         35.00
OLGR      OLGR             8        9.10          3.24          2.00         13.00
S2O3      S2O3             3        4.37          5.82          0.10         11.00
PH        PH               6                                    8.10          9.20
K         K                8        9.13          5.97          0.01         18.00
RA        RA               5       10.10          9.98          1.20         26.00
HTR       HTR              5       37.20         62.42          2.00        148.00
RN        RN               1        3.00           .            3.00          3.00
SE        SE               6        0.01          0.01          0.01          0.02
AG        AG               7       68.58        181.42          0.01        480.00
NA        NA               8      282.63        117.10          1.00        370.00
TDS       TDS              8      605.02        374.54          0.10        870.00
SOLS      SOLS             2      956.50         61.52        913.00       1000.00
SPC       SPC              6     1266.67         93.52       1150.00       1390.00
SR        SR               8        1.71          0.71          0.50          2.40
SO4       SO4              8       16.00         20.47          5.00         62.00
TEMP      TEMP             6       14.37          6.20          6.00         25.00
ZN        ZN               8        0.03          0.02          0.01          0.08
TOC       TOC              3       65.37         76.80          0.10        150.00
PHEN      PHEN             7        0.01          0.01          0.00          0.04
CYAN      CYAN             0         .             .             .             .
NH3       NH3              7        1.10          0.26          0.70          1.50
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                       190
                                                            14:10 THURSDAY, JANUARY 13, 1983
                                    LOC=WY45

VARIABLE    LABEL          N       MEAN        STANDARD        MINIMUM        MAXIMUM
                                               DEVIATION        VALUE          VALUE

PST         PST            1       0.04            .            0.04           0.04
SIO2        SIO2           5       6.08          5.50           0.10          11.00
U           U              0         .             .              .              .
SUSS        SUSS           0         .             .              .              .
TH          TH             0         .             .              .              .
CS          CS             0         .             .              .              .
I           I              0         .             .              .              .
SB          SB             0         .             .              .              .
ZR          ZR             0         .             .              .              .
Y           Y              0         .             .              .              .
RB          RB             0         .             .              .              .
GE          GE             0         .             .              .              .
GA          GA             0         .             .              .              .
TI          TI             0         .             .              .              .
SC          SC             0         .             .              .              .
W           W              0         .             .              .              .
CO          CO             4       0.04          0.04           0.02           0.10
V           V              1       0.10            .            0.10           0.10
BE          BE             0         .             .              .              .
OH          OH             1       0.10            .            0.10           0.10
CH          CH             2       0.10          0.00           0.10           0.10
PA          PA             0         .             .              .              .
MA          MA             0         .             .              .              .
SCN         SCN            1       0.10            .            0.10           0.10
TURB        TURB           0         .             .              .              .
FF          FF             0         .             .              .              .
TSSF        TSSF           0         .             .              .              .
R228        R228           0         .             .              .              .
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                                 LOC=WY46

VARIABLE  LABEL           N       MEAN       STANDARD      MINIMUM      MAXIMUM
                                             DEVIATION     VALUE        VALUE

TALK      TALK            6     645.00        25.88       620.00       680.00
AL        AL              6       0.17         0.12         0.10         0.40
ARS       ARS             6       0.02         0.00         0.02         0.02
FCOLIF    FCOLIF          2       1.00         0.00         1.00         1.00
BA        BA              6       2.25         1.91         0.70         5.90
HCO3      HCO3            6     553.33        44.57       470.00       600.00
BOD       BOD             6      37.50        55.71         8.00       150.00
B         B               6       0.55         0.19         0.30         0.80
BR        BR              6       0.10         0.00         0.10         0.10
TCOLIF    TCOLIF          1       1.00          .           1.00         1.00
CD        CD              3       0.02         0.00         0.02         0.02
CA        CA              6       7.02         1.51         4.70         8.90
CO3       CO3             6      91.67        44.46        40.00       150.00
CL        CL              6      14.68        21.93         2.40        59.00
CR        CR              6       0.02         0.00         0.02         0.02
COD       COD             6      32.70        34.09         6.00        96.00
CU        CU              6       0.02         0.00         0.02         0.02
DO        DO              4       2.40         0.62         2.00         3.30
DOC       DOC             5      12.26        21.10         2.00        50.00
LAS       LAS             1       0.05          .           0.05         0.05
F         F               6      18.62         0.80        18.00        20.00
HARD      HARD            6      74.00        83.03        22.00       240.00
FE        FE              6       0.11         0.19         0.02         0.50
KJN       KJN             6       1.30         0.89         0.10         2.80
PB        PB              6       0.05         0.07         0.02         0.20
LI        LI              6       0.05         0.01         0.03         0.06
MG        MG              6       3.90         0.94         2.60         5.00
MN        MN              6       0.04         0.02         0.02         0.08
HG        HG              6       0.01         0.01         0.00         0.02
MOLY      MOLY            6       0.04         0.04         0.01         0.10
NI        NI              6       0.03         0.03         0.02         0.10
NO3       NO3             6       4.58         7.93         0.10        20.00
OLGR      OLGR            6      11.00         6.45         2.00        20.00
S2O3      S2O3            3       3.70         5.47         0.10        10.00
PH        PH              4                                 7.80         8.70
K         K               6       4.90         3.29         1.50         9.90
RA        RA              5      25.88        36.78         3.50        90.00
BTR       BTR             4      45.00        43.11         3.00        97.00
RR        RR              1       2.20          .           2.20         2.20
SE        SE              5       0.02         0.00         0.01         0.02
AG        AG              6       0.01         0.01         0.01         0.02
NA        NA              6     313.33        46.76       240.00       380.00
TDS       TDS             6     501.70       388.97         0.10       770.00
SOLS      SOLS            3     736.67        15.28       720.00       750.00
SPC       SPC             4    1180.00        85.24      1100.00      1300.00
SR        SR              6       3.13         0.78         2.10         4.10
SO4       SO4             6      64.00       125.88         5.00       320.00
TEMP      TEMP            4      16.00         7.48         6.00        24.00
ZN        ZN              6       0.18         0.40         0.01         1.00
TOC       TOC             3      67.33        34.67        39.00       106.00
PHEN      PHEN            6       0.00         0.00         0.00         0.01
CYAN      CYAN            0        .            .            .            .
NH3       NH3             6       1.00         0.38         0.30         1.40
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                    192
                                                                      14:10 THURSDAY, JANUARY 13, 1983
                                         LOC=WY46

VARIABLE    LABEL          N          MEAN         STANDARD        MINIMUM        MAXIMUM
                                                   DEVIATION        VALUE          VALUE

PST         PST            0            .              .              .              .
SIO2        SIO2           3          3.40           5.72           0.10          10.00
U           U              0            .              .              .              .
SUSS        SUSS           0            .              .              .              .
TH          TH             0            .              .              .              .
CS          CS             0            .              .              .              .
I           I              0            .              .              .              .
SB          SB             0            .              .              .              .
ZR          ZR             0            .              .              .              .
Y           Y              0            .              .              .              .
RB          RB             0            .              .              .              .
GE          GE             0            .              .              .              .
GA          GA             0            .              .              .              .
TI          TI             0            .              .              .              .
SC          SC             0            .              .              .              .
W           W              0            .              .              .              .
CO          CO             4          0.06           0.05           0.02           0.10
V           V              2          0.10           0.00           0.10           0.10
BE          BE             0            .              .              .              .
OH          OH             2          0.10           0.00           0.10           0.10
CH          CH             2          0.10           0.00           0.10           0.10
PA          PA             0            .              .              .              .
MA          MA             0            .              .              .              .
SCN         SCN            1          0.10             .            0.10           0.10
TURB        TURB           0            .              .              .              .
FF          FF             0            .              .              .              .
TSSF        TSSF           0            .              .              .              .
R228        R228           0            .              .              .              .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                  87
                                                                    14:10 THURSDAY, JANUARY 13, 1983
                                    LOC=#651

VARIABLE     LABEL              N          MEAN       STANDARD        MINIMUM        MAXIMUM
                                                      DEVIATION        VALUE          VALUE

TALK         TALK               1        930.00           .           930.00         930.00
AL           AL                 1          0.20           .             0.20           0.20
ARS          ARS                1          0.10           .             0.10           0.10
FCOLIF       FCOLIF             0           .             .              .              .
BA           BA                 1          0.50           .             0.50           0.50
HCO3         HCO3               1          1.00           .             1.00           1.00
BOD          BOD                1        150.00           .           150.00         150.00
B            B                  1          1.20           .             1.20           1.20
BR           BR                 1          0.10           .             0.10           0.10
TCOLIF       TCOLIF             0           .             .              .              .
CD           CD                 0           .             .              .              .
CA           CA                 1          1.20           .             1.20           1.20
CO3          CO3                1        900.00           .           900.00         900.00
CL           CL                 1        210.00           .           210.00         210.00
CR           CR                 1          0.02           .             0.02           0.02
COD          COD                1         50.00           .            50.00          50.00
CU           CU                 1          0.02           .             0.02           0.02
DO           DO                 1          1.50           .             1.50           1.50
DOC          DOC                1         51.00           .            51.00          51.00
LAS          LAS                0           .             .              .              .
F            F                  1         21.00           .            21.00          21.00
HARD         HARD               1         10.00           .            10.00          10.00
FE           FE                 1          0.10           .             0.10           0.10
KJN          KJN                1          2.80           .             2.80           2.80
PB           PB                 1          0.02           .             0.02           0.02
LI           LI                 1          0.10           .             0.10           0.10
HG           HG                 1          0.50           .             0.50           0.50
MN           MN                 1          0.02           .             0.02           0.02
MG           MG                 1          0.00           .             0.00           0.00
MOLY         MOLY               1          0.30           .             0.30           0.30
NI           NI                 1          0.05           .             0.05           0.05
NO3          NO3                1          0.50           .             0.50           0.50
OLGR         OLGR               1         10.00           .            10.00          10.00
S2O3         S2O3               0           .             .              .              .
PH           PH                 1                                      10.40          10.40
K            K                  1        160.00           .           160.00         160.00
RA           RA                 0           .             .              .              .
SIR          SIR                0           .             .              .              .
RR           RR                 0           .             .              .              .
SE           SE                 1          0.01           .             0.01           0.01
AG           AG                 1          0.01           .             0.01           0.01
NA           NA                 1        480.00           .           480.00         480.00
TDS          TDS                1       1500.00           .          1500.00        1500.00
SOLS         SOLS               0           .             .              .              .
SPC          SPC                1       2520.00           .          2520.00        2520.00
SR           SR                 1          0.50           .             0.50           0.50
SO4          SO4                1         73.00           .            73.00          73.00
TEMP         TEMP               1         18.00           .            18.00          18.00
ZN           ZN                 1          0.02           .             0.02           0.02
TOC          TOC                0           .             .              .              .
PHEN         PHEN               1          0.02           .             0.02           0.02
CYAN         CYAN               0           .             .              .              .
NH3          NH3                1          2.80           .             2.80           2.80
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                5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                              88
                                                                                          14:10 THURSDAY, JANUARY 13, 1983
                                                LOC=#651

VARIABLE    LABEL           N         MEAN        STANDARD        MINIMUM        MAXIMUM
                                                  DEVIATION        VALUE          VALUE

PST         PST             0           .               .              .              .
SIO2        SIO2            1         2.20              .            2.20           2.20
U           U               0           .               .              .              .
SUSS        SUSS            0           .               .              .              .
TH          TH              0           .               .              .              .
CS          CS              0           .               .              .              .
I           I               0           .               .              .              .
SB          SB              0           .               .              .              .
ZR          ZR              0           .               .              .              .
Y           Y               0           .               .              .              .
RB          RB              0           .               .              .              .
GE          GE              0           .               .              .              .
GA          GA              0           .               .              .              .
TI          TI              0           .               .              .              .
SC          SC              0           .               .              .              .
W           W               0           .               .              .              .
CO          CO              0           .               .              .              .
V           V               0           .               .              .              .
BE          BE              0           .               .              .              .
BR          BR              0           .               .              .              .
CR          CR              0           .               .              .              .
PA          PA              0           .               .              .              .
NA          NA              0           .               .              .              .
SCN         SCN             1         0.20              .            0.20           0.20
TURB        TURB            0           .               .              .              .
FF          FF              0           .               .              .              .
TSSF        TSSF            0           .               .              .              .
R226        R226            0           .               .              .              .
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        5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                193
                                                                                     14:10 THURSDAY, JANUARY 13, 1983
                                          LOC=WY52

VARIABLE    LABEL              N        MEAN        STANDARD       MINIMUM        MAXIMUM
                                                    DEVIATION       VALUE          VALUE

TALK        TALK               6      2208.33       1683.03        580.00        5370.00
AL          AL                 6         0.33          0.36          0.10           1.00
ARS         ARS                6         0.02          0.00          0.02           0.02
FCOLIF      FCOLIF             1         1.00           .            1.00           1.00
BA          BA                 6         3.43          2.52          0.50           6.00
HCO3        HCO3               6      2130.00       1716.31        500.00        5360.00
BOD         BOD                6        12.50         16.24          1.00          45.00
B           B                  6        16.38         13.57          0.60          39.20
BR          BR                 5         0.10          0.00          0.10           0.10
TCOLIF      TCOLIF             1         1.00           .            1.00           1.00
CD          CD                 4         0.02          0.00          0.02           0.02
CA          CA                 6        10.90          4.03          6.80          16.00
CO3         CO3                6        87.67         73.91          1.00         180.00
CL          CL                 6       376.83        438.00         11.00        1160.00
CR          CR                 6         0.02          0.00          0.02           0.02
COD         COD                6        59.00        127.88          4.00         320.00
CU          CU                 6         0.06          0.07          0.02           0.20
DO          DO                 4         3.50          1.15          2.00           4.50
DOC         DOC                5       119.74        226.53          0.10         523.00
LAS         LAS                1         0.05           .            0.05           0.05
F           F                  6        21.00          1.67         18.00          22.00
HARD        HARD               6        49.83         17.52         29.00          72.00
FE          FE                 6         1.11          1.92          0.02           5.00
KJN         KJN                6         8.97          6.38          1.00          19.00
PB          PB                 6         0.15          0.23          0.02           0.60
LI          LI                 6         2.60          2.18          0.03           6.00
MG          MG                 6         5.47          2.16          3.00           8.00
MN          MN                 6         0.05          0.03          0.03           0.10
HG          HG                 5         0.01          0.01          0.00           0.02
MOLY        MOLY               6         0.05          0.04          0.01           0.10
NI          NI                 6         0.04          0.03          0.02           0.10
NO3         NO3                6        13.45         11.70          0.20          29.00
OLGR        OLGR               6        12.83         10.07          1.00          25.00
S2O3        S2O3               4         1.80          2.83          0.10           6.00
PH          PH                 4                                     7.76           7.90
K           K                  6         6.90          4.78          2.00          15.00
RA          RA                 3         4.23          3.43          0.40           7.00
BTR         BTR                2        37.00         21.21         22.00          52.00
RR          RR                 1         2.00           .            2.00           2.00
SE          SE                 4         0.02          0.01          0.01           0.02
AG          AG                 6         0.01          0.01          0.01           0.02
NA          NA                 6      1226.67        870.26        290.00        2700.00
TDS         TDS                5       740.06       1013.85          0.10        1900.00
SOLS        SOLS               3      3353.33       2990.27        340.00        6320.00
SPC         SPC                4     12315.00      11098.45       3560.00       28200.00
SR          SR                 6         2.67          0.71          1.70           3.70
SO4         SO4                6         7.33          4.41          4.00          16.00
TEMP        TEMP               4        18.00          5.72         11.00          24.00
ZN          ZN                 6         0.18          0.40          0.01           1.00
TOC         TOC                4       172.02        258.51          0.10         555.00
PHEN        PHEN               5         0.00          0.00          0.00           0.01
CYAN        CYAN               0          .             .             .              .
NH3         NH3                5         6.76          4.14          1.00          12.00
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                          194
                                                               14:10 THURSDAY, JANUARY 13, 1983
                                 LOC=WY52

VARIABLE    LABEL             N        MEAN      STANDARD      MINIMUM      MAXIMUM
                                                 DEVIATION     VALUE        VALUE

PST         PST               0          .           .            .            .
SIO2        SIO2              3        0.10        0.00         0.10         0.10
U           U                 0          .           .            .            .
SUSS        SUSS              0          .           .            .            .
TH          TH                0          .           .            .            .
CS          CS                0          .           .            .            .
I           I                 0          .           .            .            .
SB          SB                0          .           .            .            .
ZR          ZR                0          .           .            .            .
Y           Y                 0          .           .            .            .
RB          RB                0          .           .            .            .
GE          GE                0          .           .            .            .
GA          GA                0          .           .            .            .
TI          TI                0          .           .            .            .
SC          SC                0          .           .            .            .
W           W                 0          .           .            .            .
CO          CO                4        0.06        0.05         0.02         0.10
V           V                 2        0.10        0.00         0.10         0.10
BE          BE                0          .           .            .            .
OH          OH                2        0.10        0.00         0.10         0.10
CH          CH                3        0.10        0.00         0.10         0.10
PA          PA                0          .           .            .            .
MA          MA                0          .           .            .            .
SCN         SCN               0          .           .            .            .
TURB        TURB              0          .           .            .            .
FF          FF                0          .           .            .            .
TSSF        TSSF              0          .           .            .            .
R228        R228              0          .           .            .            .
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                                 LOC=W652

VARIABLE   LABEL           N         MEAN        STANDARD        MINIMUM        MAXIMUM
                                                 DEVIATION        VALUE          VALUE

TALK       TALK            1        810.00           .           810.00         810.00
AL         AL              1          0.10           .             0.10           0.10
ARS        ARS             1          0.02           .             0.02           0.02
FCOLIF     FCOLIF          0           .             .              .              .
BA         BA              1          0.50           .             0.50           0.50
HCO3       HCO3            1        740.00           .           740.00         740.00
BOD        BOD             1        150.00           .           150.00         150.00
B          B               1          2.60           .             2.60           2.60
BR         BR              1          0.10           .             0.10           0.10
TCOLIF     TCOLIF          0           .             .              .              .
CD         CD              0           .             .              .              .
CA         CA              1         26.00           .            26.00          26.00
CO3        CO3             1         68.00           .            68.00          68.00
CL         CL              1         59.00           .            59.00          59.00
CR         CR              1          0.02           .             0.02           0.02
COD        COD             1         50.00           .            50.00          50.00
CU         CU              1          0.02           .             0.02           0.02
DO         DO              1          1.65           .             1.65           1.65
DOC        DOC             1         14.00           .            14.00          14.00
LAS        LAS             0           .             .              .              .
F          F               1         17.00           .            17.00          17.00
HARD       HARD            1        190.00           .           190.00         190.00
FE         FE              1          0.02           .             0.02           0.02
KJN        KJN             1          2.20           .             2.20           2.20
PB         PB              1          0.02           .             0.02           0.02
LI         LI              1          0.50           .             0.50           0.50
MG         MG              1         30.00           .            30.00          30.00
MN         MN              1          0.06           .             0.06           0.06
HG         HG              1          0.00           .             0.00           0.00
MOLY       MOLY            1          0.01           .             0.01           0.01
NI         NI              1          0.02           .             0.02           0.02
NO3        NO3             1          0.50           .             0.50           0.50
OLGR       OLGR            1         10.00           .            10.00          10.00
S2O3       S2O3            0           .             .              .              .
PH         PH              1                                       7.92           7.92
K          K               1          6.10           .             6.10           6.10
RA         RA              1          1.00           .             1.00           1.00
BTR        BTR             0           .             .              .              .
RR         RR              0           .             .              .              .
SE         SE              1          0.01           .             0.01           0.01
AG         AG              1          0.01           .             0.01           0.01
NA         NA              1        390.00           .           390.00         390.00
TDS        TDS             1       1200.00           .          1200.00        1200.00
SOLS       SOLS            0           .             .              .              .
SPC        SPC             1       1690.00           .          1690.00        1690.00
SR         SR              1          2.50           .             2.50           2.50
SO4        SO4             1        150.00           .           150.00         150.00
TEMP       TEMP            1         22.00           .            22.00          22.00
ZN         ZN              1          0.02           .             0.02           0.02
TOC        TOC             0           .             .              .              .
PHEN       PHEN            1          0.02           .             0.02           0.02
CYAN       CYAN            0           .             .              .              .
NH3        NH3             1          1.80           .             1.80           1.80
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                  90
                                                         14:10 THURSDAY, JANUARY 13, 1983
                              LOC=W652

VARIABLE   LABEL          N         MEAN       STANDARD        MINIMUM        MAXIMUM
                                               DEVIATION       VALUE          VALUE

PST        PST            0           .              .             .              .
SIO2       SIO2           1        16.00             .         16.00          16.00
U          U              0           .              .             .              .
SUSS       SUSS           0           .              .             .              .
TH         TH             0           .              .             .              .
CS         CS             0           .              .             .              .
I          I              0           .              .             .              .
SB         SB             0           .              .             .              .
ZR         ZR             0           .              .             .              .
Y          Y              0           .              .             .              .
RB         RB             0           .              .             .              .
GE         GE             0           .              .             .              .
GA         GA             0           .              .             .              .
TI         TI             0           .              .             .              .
SC         SC             0           .              .             .              .
W          W              0           .              .             .              .
CU         CU             0           .              .             .              .
V          V              0           .              .             .              .
BE         BE             0           .              .             .              .
OH         OH             0           .              .             .              .
CH         CH             0           .              .             .              .
PA         PA             0           .              .             .              .
MA         MA             0           .              .             .              .
SCN        SCN            1         0.10             .          0.10           0.10
TURB       TURB           0           .              .             .              .
FF         FF             0           .              .             .              .
TSSF       TSSF           0           .              .             .              .
R228       R228           0           .              .             .              .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                    195
                                                                        14:10 THURSDAY, JANUARY 13, 1983
                                    LOC=#Y54

VARIABLE   LABEL            N        MEAN        STANDARD       MINIMUM       MAXIMUM
                                                 DEVIATION       VALUE         VALUE

TALK       TALK             5       786.00        298.13        510.00       1120.00
AL         AL               5         0.12          0.04          0.10          0.20
ARS        ARS              5         0.02          0.00          0.02          0.03
FCOLIF     FCOLIF           1         1.00           .            1.00          1.00
BA         BA               5         1.38          0.89          0.50          2.60
HCO3       HCO3             5       708.00        300.28        460.00       1070.00
BOD        BOD              5         8.88          7.85          3.00         22.00
B          B                5         2.44          3.19          0.40          7.80
BR         BR               5         0.12          0.04          0.10          0.19
TCOLIF     TCOLIF           1         1.00           .            1.00          1.00
CD         CD               3         0.02          0.00          0.02          0.02
CA         CA               5        28.44         20.97          5.50         46.00
CO3        CO3              5        80.00         47.43         20.00        140.00
CL         CL               5        71.52         80.08          3.60        200.00
CR         CR               5         0.02          0.00          0.02          0.02
COD        COD              5        37.40         63.15          3.00        150.00
CU         CU               5         0.06          0.08          0.02          0.20
DO         DO               3         3.10          2.15          1.00          5.30
DOC        DOC              4        20.10         21.56          2.00         50.00
LAS        LAS              1         0.05           .            0.05          0.05
F          F                5        10.20          8.23          1.90         20.00
HARD       HARD             5       225.40        229.09         30.00        490.00
FE         FE               5         1.52          2.03          0.02          5.00
KJN        KJN              5         2.48          0.97          1.00          3.40
PB         PB               5         0.08          0.07          0.02          0.20
LI         LI               5         0.34          0.39          0.05          0.90
MG         MG               5        43.00         50.68          3.20        110.00
MN         MN               5         0.07          0.08          0.02          0.20
HG         HG               5         0.01          0.01          0.00          0.02
MOLY       MOLY             5         0.24          0.42          0.02          1.00
NI         NI               5         0.04          0.04          0.02          0.10
NO3        NO3              5        12.80         17.18          0.10         41.00
OLGR       OLGR             5        10.20          7.19          2.00         19.00
S2O3       S2O3             3         2.03          2.61          0.10          5.00
PH         PH               3                        .            7.40          8.10
K          K                5         4.24          2.74          2.10          9.00
RA         RA               4         1.80          0.47          1.50          2.50
BTR        BTR              3        12.67          8.74          3.00         20.00
RR         RR               0          .             .             .             .
SE         SE               4         0.02          0.01          0.01          0.02
AG         AG               5         0.02          0.01          0.01          0.02
NA         NA               5       384.00        209.71        210.00        680.00
TDS        TDS              4       450.05        544.62          0.10       1100.00
SOLS       SOLS             2      1350.00        212.13       1200.00       1500.00
SPC        SPC              3      1633.33        351.19       1300.00       2000.00
SR         SR               5         3.50          1.64          1.60          6.00
SO4        SO4              5       173.84        229.96          5.00        450.00
TEMP       TEMP             3        15.17          8.40          6.00         22.50
ZN         ZN               5         0.27          0.43          0.01          1.00
TOC        TOC              3        91.33         61.83         43.00        161.00
PHEN       PHEN             5         0.00          0.00          0.00          0.01
CYAN       CYAN             0          .             .             .             .
NH3        NH3              5         2.00          1.41          1.00          4.50
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                         196
                                                                  14:10 THURSDAY, JANUARY 13, 1983
                                         LOC=WY54

VARIABLE    LABEL          N        MEAN        STANDARD       MINIMUM       MAXIMUM
                                                DEVIATION      VALUE         VALUE

PST         PST            0          .             .             .             .
SIO2        SIO2           2        0.10          0.00          0.10          0.10
U           U              0          .             .             .             .
SUSS        SUSS           0          .             .             .             .
TH          TH             0          .             .             .             .
CS          CS             0          .             .             .             .
I           I              0          .             .             .             .
SB          SB             0          .             .             .             .
ZR          ZR             0          .             .             .             .
Y           Y              0          .             .             .             .
RB          RB             0          .             .             .             .
GE          GE             0          .             .             .             .
GA          GA             0          .             .             .             .
TI          TI             0          .             .             .             .
SC          SC             0          .             .             .             .
W           W              0          .             .             .             .
CO          CO             4        0.06          0.05          0.02          0.10
V           V              2        0.10          0.00          0.10          0.10
BE          BE             0          .             .             .             .
OH          OH             2        0.10          0.00          0.10          0.10
CH          CH             2        0.10          0.00          0.10          0.10
PA          PA             0          .             .             .             .
MA          MA             0          .             .             .             .
SCN         SCN            0          .             .             .             .
TURB        TURB           0          .             .             .             .
FF          FF             0          .             .             .             .
TSSF        TSSF           0          .             .             .             .
R228        R228           0          .             .             .             .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                    91
                                                                       14:10 THURSDAY, JANUARY 13, 1983
                                   LOC=W661

VARIABLE   LABEL          N        MEAN       STANDARD       MINIMUM       MAXIMUM
                                              DEVIATION       VALUE         VALUE

TALK       TALK           1      690.00          .           690.00        690.00
AL         AL             1        0.10          .             0.10          0.10
ARS        ARS            1        0.02          .             0.02          0.02
FCOLIF     FCOLIF         0         .            .              .             .
BA         BA             1        0.50          .             0.50          0.50
HCO3       HCO3           1      590.00          .           590.00        590.00
BOD        BOD            1      150.00          .           150.00        150.00
B          B              1        0.80          .             0.80          0.80
BR         BR             1        0.10          .             0.10          0.10
TCOLIF     TCOLIF         0         .            .              .             .
CD         CD             0         .            .              .             .
CA         CA             1        4.80          .             4.80          4.80
CO3        CO3            1      100.00          .           100.00        100.00
CL         CL             1        5.00          .             5.00          5.00
CR         CR             1        0.02          .             0.02          0.02
COD        COD            1       50.00          .            50.00         50.00
CU         CU             1        0.02          .             0.02          0.02
DO         DO             1        2.43          .             2.43          2.43
DOC        DOC            1       14.00          .            14.00         14.00
LAS        LAS            0         .            .              .             .
F          F              1        0.20          .             0.20          0.20
HARD       HARD           1       25.00          .            25.00         25.00
FE         FE             1        0.06          .             0.06          0.06
KJN        KJN            1        1.10          .             1.10          1.10
PB         PB             1        0.02          .             0.02          0.02
LI         LI             1        0.06          .             0.06          0.06
MG         MG             1        3.10          .             3.10          3.10
MN         MN             1        0.07          .             0.07          0.07
HG         HG             1        0.00          .             0.00          0.00
MOLY       MOLY           1        0.01          .             0.01          0.01
NI         NI             1        0.02          .             0.02          0.02
NO3        NO3            1        0.50          .             0.50          0.50
OLGR       OLGR           1       10.00          .            10.00         10.00
S2O3       S2O3           0         .            .              .             .
PH         PH             1                                    8.02          8.02
K          K              1        5.00          .             5.00          5.00
RA         RA             1        3.00          .             3.00          3.00
NTR        NTR            1       12.00          .            12.00         12.00
RR         RR             0         .            .              .             .
SE         SE             1        0.01          .             0.01          0.01
AG         AG             1        0.01          .             0.01          0.01
NA         NA             1      310.00          .           310.00        310.00
TDS        TDS            1      770.00          .           770.00        770.00
SOLS       SOLS           0         .            .              .             .
SPC        SPC            1     1090.00          .          1090.00       1090.00
SR         SR             1        2.00          .             2.00          2.00
SO4        SO4            1       34.00          .            34.00         34.00
TEMP       TEMP           1       20.00          .            20.00         20.00
ZN         ZN             1        0.02          .             0.02          0.02
TOC        TOC            0         .            .              .             .
PHEN       PHEN           1        0.00          .             0.00          0.00
CYAN       CYAN           0         .            .              .             .
NH3        NH3            1        1.10          .             1.10          1.10
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                    92
                                                          14:10 THURSDAY, JANUARY 13, 1983
                                   LOC=W601

VARIABLE   LABEL          N        MEAN       STANDARD       MINIMUM       MAXIMUM
                                              DEVIATION       VALUE         VALUE

PST        PST            0          .            .             .             .
SIO2       SIO2           1        15.00          .           15.00         15.00
U          U              0          .            .             .             .
SUSS       SUSS           0          .            .             .             .
TH         TH             0          .            .             .             .
CS         CS             0          .            .             .             .
I          I              0          .            .             .             .
SB         SB             0          .            .             .             .
ZR         ZR             0          .            .             .             .
Y          Y              0          .            .             .             .
RB         RB             0          .            .             .             .
GE         GE             0          .            .             .             .
GA         GA             0          .            .             .             .
TI         TI             0          .            .             .             .
SC         SC             0          .            .             .             .
W          W              0          .            .             .             .
CO         CO             0          .            .             .             .
V          V              0          .            .             .             .
BE         BE             0          .            .             .             .
OR         OR             0          .            .             .             .
CR         CR             0          .            .             .             .
PA         PA             0          .            .             .             .
MA         MA             0          .            .             .             .
SCN        SCN            1         0.10          .            0.10          0.10
TURB       TURB           0          .            .             .             .
FF         FF             0          .            .             .             .
TSSF       TSSF           0          .            .             .             .
R228       R228           0          .            .             .             .
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                                         LOC=#Y62

VARIABLE    LABEL          N       MEAN      STANDARD        MINIMUM        MAXIMUM
                                             DEVIATION       VALUE          VALUE

TALK        TALK           1     220.00          .           220.00         220.00
AL          AL             1       0.10          .             0.10           0.10
ARS         ARS            1       0.02          .             0.02           0.02
FCOLIF      FCOLIF         0        .            .              .              .
BA          BA             1       0.50          .             0.50           0.50
HCO3        HCO3           1     120.00          .           120.00         120.00
BOD         BOD            1      24.00          .            24.00          24.00
B           B              1       0.20          .             0.20           0.20
BR          BR             1       0.10          .             0.10           0.10
TCOLIF      TCOLIF         0        .            .              .              .
CD          CD             0        .            .              .              .
CA          CA             1       9.60          .             9.60           9.60
CO3         CO3            1     100.00          .           100.00         100.00
CL          CL             1     100.00          .           100.00         100.00
CR          CR             1       0.02          .             0.02           0.02
COD         COD            1      66.00          .            66.00          66.00
CU          CU             1       0.02          .             0.02           0.02
DO          DO             0        .            .              .              .
DOC         DOC            1       5.20          .             5.20           5.20
LAS         LAS            0        .            .              .              .
F           F              1       0.30          .             0.30           0.30
HARD        HARD           1     250.00          .           250.00         250.00
FE          FE             1       0.02          .             0.02           0.02
KJN         KJN            1       1.10          .             1.10           1.10
PB          PB             1       0.02          .             0.02           0.02
LI          LI             1       0.07          .             0.07           0.07
MG          MG             1      56.00          .            56.00          56.00
MN          MN             1       0.05          .             0.05           0.05
HG          HG             1       0.02          .             0.02           0.02
MOLY        MOLY           1       0.09          .             0.09           0.09
NI          NI             1       0.02          .             0.02           0.02
NO3         NO3            1     260.00          .           260.00         260.00
OLGR        OLGR           1      11.00          .            11.00          11.00
S2O3        S2O3           0        .            .              .              .
PH          PH             0                                    .              .
K           K              1       1.20          .             1.20           1.20
RA          RA             1       4.50          .             4.50           4.50
BTR         BTR            1       2.00          .             2.00           2.00
RR          RR             0        .            .              .              .
SE          SE             1       0.24          .             0.24           0.24
AG          AG             1       0.01          .             0.01           0.01
NA          NA             1     160.00          .           160.00         160.00
TDS         TDS            1     850.00          .           850.00         850.00
SOLS        SOLS           0        .            .              .              .
SPC         SPC            0        .            .              .              .
SR          SR             1       0.90          .             0.90           0.90
SO4         SO4            1     290.00          .           290.00         290.00
TEMP        TEMP           0        .            .              .              .
ZN          ZN             1       0.02          .             0.02           0.02
TOC         TOC            0        .            .              .              .
PHEN        PHEN           1       0.01          .             0.01           0.01
CYAN        CYAN           0        .            .              .              .
NH3         NH3            1       0.03          .             0.03           0.03
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                     198
                                                         14:10 THURSDAY, JANUARY 13, 1983
                                    LOC=WY62

VARIABLE   LABEL           N        MEAN       STANDARD      MINIMUM      MAXIMUM
                                               DEVIATION      VALUE        VALUE

PST        PST             0          .             .            .            .
SIO2       SIO2            0          .             .            .            .
U          U               0          .             .            .            .
SUSS       SUSS            0          .             .            .            .
TH         TH              0          .             .            .            .
CS         CS              0          .             .            .            .
I          I               0          .             .            .            .
SB         SB              0          .             .            .            .
ZR         ZR              0          .             .            .            .
Y          Y               0          .             .            .            .
RB         RB              0          .             .            .            .
GE         GE              0          .             .            .            .
GA         GA              0          .             .            .            .
TI         TI              0          .             .            .            .
SC         SC              0          .             .            .            .
*          *               0          .             .            .            .
CO         CO              1         0.02           .          0.02         0.02
V          V               0          .             .            .            .
BE         BE              0          .             .            .            .
OH         OH              0          .             .            .            .
CH         CH              0          .             .            .            .
PA         PA              0          .             .            .            .
MA         MA              0          .             .            .            .
SCN        SCN             0          .             .            .            .
TURB       TURB            0          .             .            .            .
FF         FF              0          .             .            .            .
TSSF       TSSF            0          .             .            .            .
R228       R228            0          .             .            .            .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                199
                                                                          14:10 THURSDAY, JANUARY 13, 1983
                                        LOC=WY80

VARIABLE      LABEL              N         MEAN      STANDARD       MINIMUM       MAXIMUM
                                                     DEVIATION        VALUE         VALUE

TALK          TALK               1      1350.00          .          1350.00       1350.00
AL            AL                 1         0.60          .             0.60          0.60
ARS           ARS                1         0.02          .             0.02          0.02
FCOLIF        FCOLIF             0          .            .              .             .
BA            BA                 1         2.00          .             2.00          2.00
HCO3          HCO3               1      1310.00          .          1310.00       1310.00
BOD           BOD                1         8.00          .             8.00          8.00
B             B                  1         0.91          .             0.91          0.91
BR            BR                 0          .            .              .             .
TCOLIF        TCOLIF             0          .            .              .             .
CD            CD                 1         0.02          .             0.02          0.02
CA            CA                 1         4.00          .             4.00          4.00
CO3           CO3                1        42.00          .            42.00         42.00
CL            CL                 1         6.00          .             6.00          6.00
CR            CR                 1         0.02          .             0.02          0.02
COD           COD                1       140.00          .           140.00        140.00
CU            CU                 1         0.03          .             0.03          0.03
DO            DO                 1         4.10          .             4.10          4.10
DOC           DOC                1         0.10          .             0.10          0.10
LAS           LAS                0          .            .              .             .
F             F                  1        23.00          .            23.00         23.00
HARD          HARD               1        26.00          .            26.00         26.00
FE            FE                 1         0.50          .             0.50          0.50
KJN           KJN                1         0.84          .             0.84          0.84
PB            PB                 1         0.10          .             0.10          0.10
LI            LI                 1         0.06          .             0.06          0.06
MG            MG                 1         2.80          .             2.80          2.80
MN            MN                 1         0.03          .             0.03          0.03
HG            HG                 0          .            .              .             .
MOLY          MOLY               1         0.02          .             0.02          0.02
NI            NI                 1         0.02          .             0.02          0.02
NO3           NO3                1         1.80          .             1.80          1.80
OLGR          OLGR               1        15.00          .            15.00         15.00
S2O3          S2O3               1         0.10          .             0.10          0.10
PH            PH                 1                                      8.30          8.30
K             K                  1         1.60          .             1.60          1.60
RA            RA                 0          .            .              .             .
BTR           BTR                0          .            .              .             .
RR            RR                 0          .            .              .             .
SE            SE                 0          .            .              .             .
AG            AG                 1         0.01          .             0.01          0.01
NA            NA                 1       524.00          .           524.00        524.00
TDS           TDS                1         0.10          .             0.10          0.10
SOLS          SOLS               1      1210.00          .          1210.00       1210.00
SPC           SPC                1      1800.00          .          1800.00       1800.00
SR            SR                 1         2.70          .             2.70          2.70
SO4           SO4                1        16.00          .            16.00         16.00
TEMP          TEMP               1        20.00          .            20.00         20.00
ZN            ZN                 1         0.02          .             0.02          0.02
TOC           TOC                1         0.10          .             0.10          0.10
PHEN          PHEN               0          .            .              .             .
CYAN          CYAN               0          .            .              .             .
NH3           NH3                0          .            .              .             .
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        5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                              200
                                                                              14:10 THURSDAY, JANUARY 13, 1983
                                        LOC=WY80

VARIABLE   LABEL           N        MEAN       STANDARD       MINIMUM       MAXIMUM
                                               DEVIATION        VALUE         VALUE

PST        PST             0          .            .              .             .
SIO2       SIO2            1        0.10           .            0.10          0.10
U          U               0          .            .              .             .
SUSS       SUSS            0          .            .              .             .
TH         TH              0          .            .              .             .
CS         CS              0          .            .              .             .
I          I               0          .            .              .             .
SB         SB              0          .            .              .             .
ZR         ZR              0          .            .              .             .
Y          Y               0          .            .              .             .
RB         RB              0          .            .              .             .
GE         GE              0          .            .              .             .
GA         GA              0          .            .              .             .
TI         TI              0          .            .              .             .
SC         SC              0          .            .              .             .
W          W               0          .            .              .             .
CO         CO              0          .            .              .             .
V          V               0          .            .              .             .
BE         BE              0          .            .              .             .
OH         OH              0          .            .              .             .
CH         CH              1        0.10           .            0.10          0.10
PA         PA              0          .            .              .             .
MA         MA              0          .            .              .             .
SCN        SCN             0          .            .              .             .
TURB       TURB            0          .            .              .             .
FF         FF              0          .            .              .             .
TSSF       TSSF            0          .            .              .             .
R228       R228            0          .            .              .             .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                201
                                                                      14:10 THURSDAY, JANUARY 13, 1983
                                      LOC=WY81

VARIABLE    LABEL          N        MEAN        STANDARD       MINIMUM       MAXIMUM
                                                DEVIATION       VALUE         VALUE

TALK        TALK           6       820.50        396.47         13.00       1000.00
AL          AL             6         0.18          0.13          0.10          0.40
ARS         ARS            6         0.02          0.00          0.02          0.02
FCOLIF      FCOLIF         1         1.00           .            1.00          1.00
BA          BA             6         1.95          1.41          0.50          3.90
HCO3        HCO3           6       735.50        361.06         13.00        960.00
BOD         BOD            5        36.46         63.54          5.30        150.00
B           B              6         0.78          0.12          0.70          1.00
BR          BR             6         0.10          0.00          0.10          0.10
TCOLIF      TCOLIF         2         1.00          0.00          1.00          1.00
CD          CD             3         0.02          0.00          0.02          0.02
CA          CA             6         4.88          1.02          3.90          6.20
CO3         CO3            6        91.83         84.74          1.00        240.00
CL          CL             6         5.38          2.44          1.80          8.00
CR          CR             6         0.03          0.03          0.02          0.10
COD         COD            6        24.02         20.92          2.10         50.00
CU          CU             6         0.05          0.07          0.02          0.20
DO          DO             3         3.05          1.48          2.00          4.74
DOC         DOC            5         3.00          3.61          0.10          8.90
LAS         LAS            2         0.04          0.01          0.04          0.05
F           F              6        23.17          0.98         22.00         24.00
HARD        HARD           6        34.33         17.13         20.00         60.00
FE          FE             6         0.99          1.97          0.02          5.00
KJN         KJN            5         1.62          0.92          0.80          3.00
PB          PB             6         0.04          0.03          0.02          0.10
LI          LI             6         0.07          0.02          0.05          0.10
MG          MG             6         2.68          0.47          2.00          3.20
MN          MN             6         0.05          0.07          0.02          0.20
HG          HG             6         0.01          0.01          0.00          0.02
MOLY        MOLY           6         0.07          0.11          0.01          0.30
NI          NI             6         0.03          0.03          0.02          0.10
NO3         NO3            6         0.90          1.53          0.10          4.00
OLGR        OLGR           6        12.00          6.03          4.00         21.00
S2O3        S2O3           3         4.03          6.05          0.10         11.00
PH          PH             4                                     7.80          8.11
K           K              6         1.60          1.92          0.10          5.40
RA          RA             5         3.46          2.88          0.30          7.00
BTR         BTR            5         5.60          3.58          1.00          9.00
RR          RR             0          .             .             .             .
SE          SE             5         0.02          0.01          0.01          0.02
AG          AG             5         0.01          0.01          0.01          0.02
NA          NA             6       820.00        776.48        420.00       2400.00
TDS         TDS            5       660.04        602.44          0.10       1100.00
SOLS        SOLS           2      1100.00        141.42       1000.00       1200.00
SPC         SPC            4      1982.50        565.59       1500.00       2800.00
SR          SR             6         2.30          0.67          1.20          3.00
SO4         SO4            6        15.42         24.78          5.00         66.00
TEMP        TEMP           4        12.88          3.84          8.50         17.00
ZN          ZN             6         0.03          0.03          0.02          0.10
TOC         TOC            3        69.00         82.66          1.00        161.00
PHEN        PHEN           6         0.01          0.02          0.00          0.04
CYAN        CYAN           0          .             .             .             .
NH3         NH3            6         1.20          0.28          0.90          1.70
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                          202
                                                                    14:10 THURSDAY, JANUARY 13, 1983
                               LOC=WY61

VARIABLE   LABEL              N          MEAN        STANDARD        MINIMUM        MAXIMUM
                                                     DEVIATION        VALUE          VALUE

PST        PST                1          0.09            .             0.09           0.09
SIO2       SIO2               4          6.05          6.92            0.10          13.00
U          U                  0           .              .              .              .
SUSS       SUSS               0           .              .              .              .
TH         TH                 0           .              .              .              .
CS         CS                 0           .              .              .              .
I          I                  0           .              .              .              .
SB         SB                 0           .              .              .              .
ZR         ZR                 0           .              .              .              .
Y          Y                  0           .              .              .              .
RB         RB                 0           .              .              .              .
GE         GE                 0           .              .              .              .
GA         GA                 0           .              .              .              .
TI         TI                 0           .              .              .              .
SC         SC                 0           .              .              .              .
W          W                  0           .              .              .              .
CO         CO                 3          0.07          0.05            0.02           0.10
V          V                  2          0.10          0.00            0.10           0.10
BE         BE                 0           .              .              .              .
OH         OH                 2          0.10          0.00            0.10           0.10
CH         CH                 2          0.10          0.00            0.10           0.10
PA         PA                 0           .              .              .              .
MA         MA                 0           .              .              .              .
SCN        SCN                1          0.10            .             0.10           0.10
TURB       TURB               0           .              .              .              .
FF         FF                 0           .              .              .              .
TSSF       TSSF               0           .              .              .              .
R228       R228               0           .              .              .              .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                93
                                                                  14:10 THURSDAY, JANUARY 13, 1983
                                 LOC=#691

VARIABLE   LABEL       N       MEAN      STANDARD     MINIMUM     MAXIMUM
                                         DEVIATION     VALUE       VALUE

TALK       TALK        1     1300.00        .        1300.00     1300.00
AL         AL          1        0.10        .           0.10        0.10
ARS        ARS         1        0.02        .           0.02        0.02
FCOLIF     FCOLIF      0         .          .            .           .
BA         BA          1        0.50        .           0.50        0.50
HCO3       HCO3        1     1200.00        .        1200.00     1200.00
BOD        BOD         1      150.00        .         150.00      150.00
B          B           1        3.70        .           3.70        3.70
BR         BR          1        0.10        .           0.10        0.10
TCOLIF     TCOLIF      0         .          .            .           .
CD         CD          0         .          .            .           .
CA         CA          1        5.80        .           5.80        5.80
CO3        CO3         1       92.00        .          92.00       92.00
CL         CL          1       69.00        .          69.00       69.00
CR         CR          1        0.02        .           0.02        0.02
COD        COD         1       50.00        .          50.00       50.00
CU         CU          1        0.02        .           0.02        0.02
DO         DO          1        5.50        .           5.50        5.50
DOC        DOC         1       38.00        .          38.00       38.00
LAS        LAS         0         .          .            .           .
F          F           1       24.00        .          24.00       24.00
HARD       HARD        1       26.00        .          26.00       26.00
FE         FE          1        0.04        .           0.04        0.04
KJN        KJN         1        3.40        .           3.40        3.40
PB         PB          1        0.02        .           0.02        0.02
LI         LI          1        0.60        .           0.60        0.60
MG         MG          1        3.00        .           3.00        3.00
MN         MN          1        0.06        .           0.06        0.06
HG         HG          1        0.00        .           0.00        0.00
MOLY       MOLY        1        0.03        .           0.03        0.03
NI         NI          1        0.03        .           0.03        0.03
NO3        NO3         1        0.50        .           0.50        0.50
OLGR       OLGR        1       10.00        .          10.00       10.00
S2O3       S2O3        0         .          .            .           .
PH         PH          1                                8.00        8.00
K          K           1        8.40        .           8.40        8.40
RA         RA          1       11.00        .          11.00       11.00
BTR        BTR         1        5.00        .           5.00        5.00
RR         RR          0         .          .            .           .
SE         SE          1        0.01        .           0.01        0.01
AG         AG          1        0.01        .           0.01        0.01
NA         NA          1      680.00        .         680.00      680.00
TDS        TDS         1     1600.00        .        1600.00     1600.00
SOLS       SOLS        0         .          .            .           .
SPC        SPC         1     2600.00        .        2600.00     2600.00
SR         SR          1        1.40        .           1.40        1.40
SO4        SO4         1        7.00        .           7.00        7.00
TEMP       TEMP        1       24.00        .          24.00       24.00
ZN         ZN          1        0.02        .           0.02        0.02
TOC        TOC         0         .          .            .           .
PHEN       PHEN        1        0.00        .           0.00        0.00
CYAN       CYAN        0         .          .            .           .
NH3        NH3         1        3.20        .           3.20        3.20
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                  94
                                                                          14:10 THURSDAY, JANUARY 13, 1983
                                              LOC=#591

VARIABLE    LABEL            N        MEAN       STANDARD      MINIMUM      MAXIMUM
                                                 DEVIATION     VALUE        VALUE

PST         PST              0          .            .            .            .
SIO2        SIO2             1       15.00           .         15.00        15.00
U           U                0          .            .            .            .
SUSS        SUSS             0          .            .            .            .
TH          TH               0          .            .            .            .
CS          CS               0          .            .            .            .
I           I                0          .            .            .            .
SB          SB               0          .            .            .            .
ZR          ZR               0          .            .            .            .
Y           Y                0          .            .            .            .
RB          RB               0          .            .            .            .
GE          GE               0          .            .            .            .
GA          GA               0          .            .            .            .
TI          TI               0          .            .            .            .
SC          SC               0          .            .            .            .
*           *                0          .            .            .            .
CO          CO               0          .            .            .            .
W           V                0          .            .            .            .
BE          BE               0          .            .            .            .
UH          UH               0          .            .            .            .
CH          CH               0          .            .            .            .
PA          PA               0          .            .            .            .
MA          MA               0          .            .            .            .
SCN         SCN              1        0.10           .          0.10         0.10
TURB        TURB             0          .            .            .            .
FF          FF               0          .            .            .            .
TSSF        TSSF             0          .            .            .            .
R228        R228             0          .            .            .            .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                      203
                                                                       14:10 THURSDAY, JANUARY 13, 1983
                                          LOC=WY91

VARIABLE    LABEL           N        MEAN       STANDARD        MINIMUM         MAXIMUM
                                                DEVIATION        VALUE           VALUE

TALK        TALK            3      1596.67       1062.09         790.00         2800.00
AL          AL              3         0.10          0.00           0.10            0.10
ARS         ARS             3         0.02          0.00           0.02            0.02
FCOLIF      FCOLIF          1         1.00           .             1.00            1.00
BA          BA              3         1.97          1.15           0.80            3.10
HCO3        HCO3            3      1473.33        994.05         720.00         2600.00
BOD         BOD             3         9.37         14.41           0.70           26.00
B           B               3        13.13         15.07           1.00           30.00
BR          BR              3         0.10          0.00           0.10            0.10
TCOLIF      TCOLIF          1         1.00           .             1.00            1.00
CD          CD              1         0.02           .             0.02            0.02
CA          CA              3         5.70          1.06           4.90            6.90
CO3         CO3             3       136.67         70.24          70.00          210.00
CL          CL              3       245.53        393.73           7.60          700.00
CR          CR              3         0.02          0.00           0.02            0.02
COD         COD             3        19.00         18.73           4.00           40.00
CU          CU              3         0.02          0.00           0.02            0.02
DO          DO              1         2.60           .             2.60            2.60
DOC         DOC             1        14.00           .            14.00           14.00
LAS         LAS             1         0.05           .             0.05            0.05
F           F               3        21.33          0.58          21.00           22.00
HARD        HARD            3        43.33         31.90          22.00           80.00
FE          FE              3         0.20          0.26           0.02            0.50
KJN         KJN             3         7.53          7.68           1.00           16.00
PB          PB              3         0.03          0.02           0.02            0.05
LI          LI              3         2.13          2.25           0.20            4.60
MG          MG              3         3.37          0.78           2.50            4.00
MN          MN              3         0.06          0.04           0.03            0.10
HG          HG              2         0.01          0.01           0.00            0.02
MOLY        MOLY            3         0.02          0.01           0.02            0.03
NI          NI              3         0.02          0.00           0.02            0.02
NO3         NO3             3         7.50          6.14           0.50           12.00
OLGR        OLGR            3        10.33          8.39           5.00           20.00
S2O3        S2O3            1         2.00           .             2.00            2.00
PH          PH              1                                      7.30            7.30
K           K               3         7.57          7.39           2.20           16.00
RA          RA              1         7.30           .             7.30            7.30
BTR         BTR             1         1.00           .             1.00            1.00
RN          RN              0          .             .              .               .
SE          SE              2         0.16          0.20           0.02            0.30
AG          AG              3         0.01          0.01           0.01            0.02
NA          NA              3       870.00        564.54         410.00         1500.00
TDS         TDS             2      2910.00       1682.91        1720.00         4100.00
SOLS        SOLS            0          .             .              .               .
SPC         SPC             1      7190.00           .          7190.00         7190.00
SR          SR              3         1.77          0.42           1.30            2.10
SO4         SO4             3         5.33          0.58           5.00            6.00
TEMP        TEMP            1        21.00           .            21.00           21.00
ZN          ZN              3         0.03          0.01           0.02            0.04
TOC         TOC             1        32.00           .            32.00           32.00
PHEN        PHEN            3         0.01          0.01           0.00            0.01
CYAN        CYAN            0          .             .              .               .
NH3         NH3             3         7.23          6.93           1.70           15.00
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                              204
                                                                  14:10 THURSDAY, JANUARY 13, 1983
                                      LOC=WY91

VARIABLE   LABEL            N        MEAN        STANDARD       MINIMUM       MAXIMUM
                                                 DEVIATION       VALUE         VALUE

PST        PST              0          .             .             .             .
SIO2       SIO2             0          .             .             .             .
U          U                0          .             .             .             .
SUSS       SUSS             0          .             .             .             .
TH         TH               0          .             .             .             .
CS         CS               0          .             .             .             .
I          I                0          .             .             .             .
SB         SB               0          .             .             .             .
ZR         ZR               0          .             .             .             .
Y          Y                0          .             .             .             .
RB         RB               0          .             .             .             .
GE         GE               0          .             .             .             .
GA         GA               0          .             .             .             .
TI         TI               0          .             .             .             .
SC         SC               0          .             .             .             .
W          W                0          .             .             .             .
CO         CO               2        0.06          0.06          0.02          0.10
V          V                0          .             .             .             .
BE         BE               0          .             .             .             .
OH         OH               0          .             .             .             .
CH         CH               0          .             .             .             .
PA         PA               0          .             .             .             .
MA         MA               0          .             .             .             .
SCN        SCN              0          .             .             .             .
TURB       TURB             0          .             .             .             .
FF         FF               0          .             .             .             .
TSSF       TSSF             0          .             .             .             .
R228       R228             0          .             .             .             .
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IMPOUNDMENTS/
LAND APPLICATION/
REINJECTION/DISCHARGE

2.2.2.6 Impoundments/Land Application/Reinjection/Discharge

Water samples were taken at A/B discharge (WN40), two pond seepage wells (WW13 and WW22), and the shale pile seepage well (WW32)in June through December 1982. Samples taken weekly were analyzed for parameters reported in Table 2.2.2.6-1. Monthly samples were analyzed for additional parameters reported in Table 2.2.2.6-2. These two sampling frequencies are required by the NPDES permit. During the interim period, quarterly water samples for field and lab analyses are required by the Oil Shale Office. These samples vary slightly from semiannual samples required during C-b Tract's development phase. Parameters analyzed are total alkalinity, Al, ammonia, As, Ba, HCO_3, CO_3, BR, hardness, Na, Mg, Ca, Mo, NO_3, oil and grease, phenols, K, B, total dissolved solids, Sr, SO_4, Cl, COD, Cr, Cu, SiO_2, cyanide, Hg, Se, Ag, Zn, Pb, Li, Mn, Fe, F, DOC, suspended solids, Co and V. Results of two samples taken in July and October 1982 are reported in Table 2.2.2.6-3. Field samples of pH, specific conductance, and temperature were taken when water samples were collected for quarterly analyses. See Table 2.2.2.6-4.

Water samples collected at the three seepage monitoring wells were analyzed for the same parameters listed above, excluding DOC, suspended solids, Co and V. Field and lab analyses results are reported in Tables 2.2.2.6-5 and 2.2.2.6-6.

Included in this section are tables of statistics using water analyses results for various stations since sampling began during the developmental period of the C-b Tract. Table 2.2.2.6-7 presents a cross reference list of stations reporting analyses in this subsection. The mean, standard deviation, minimum and maximum values, and number of samples used are presented within these tables. Table 2.2.2-1 lists the units measured for parameters analyzed in these tables. Minimum and maximum values appearing in these tables can be referenced for the sample date in the Water Quality Assurance Section 2.2.4. Data tables are presented for water samples taken since Baseline, November 1974 through December 1982. Refer to the list of tables in the Assurance section to find a specific water type.

TABLE 2.2.2.6-1

CB-TRACT

NPDES WATER QUALITY SAMPLES
WEEKLY ANALYSIS

LOC	YR	MO	DY	LAB TOTL SUSS SOLIDS (MG/L)	TOTAL DISSOLVED SOLIDS (MG/L)	TOTAL F (MG/L)	TOTAL B (MG/L)	AMMONIA AS N (MG/L)	TOTAL PHENOL (MG/L)	AL (MG/L)	TOTAL FE (MG/L)	OIL AND GREASE (MG/L)
WN40	82	7	15	-10.0	1300.0	23.00	.80	-.04		-.5	.20	-10
			22	-10.0	1400.0	26.00	.10	-.40	.002	-.5	.09	-10
			29	13.0	1300.0	22.00	.10	-.04	.002	-.5	.20	-10
		8	5	-10.0	1300.0	22.00	.70	-.04	.003	-.1	-.02	-10
			12	-10.0	1200.0		.80	-.04	.004	-.1	-.02	-10
			19	-10.0	1300.0		.90	-.04	.003	-.1	-.02	-10
			26	-10.0	1300.0	21.00	.80	-.10	-.030	-.1	-.02	11
		9	2	-10.0	1200.0		.80	-.30	-.040	-.1	.02	-10
			9	-10.0	1300.0	20.00	.90	-.30	-.040	-.1	-.02	-10
			16	-10.0	1300.0	20.00	.90	-.30	-.040	-.1	.05	-10
			23	-10.0	140.0	21.00	.90	-.30	-.040	-.1	-.02	-10
			30	-10.0	1400.0	19.00	.50	-.30	-.040	-.1	-.02	-1
		10	7									
			13	-10.0	1400.0	21.00	.90	-.30	-.040	-.1	.06	14
			14									
			21	10.0	1300.0	20.00	.90	-.20	.005	-.1	.05	-10
			28	-10.0	1200.0	20.00	.70	.20	-.005	-.1	.04	-10
		11	4	-10.0	1400.0	21.00	1.10	.20	-.005	-.1	.05	-10
			11	-10.0	1300.0	20.00	1.00	.20	-.001	-.1	.06	-10
			18	-10.0	1300.0	21.00	1.00	.20	-.001	-.1	.02	-10
			23	-10.0	1600.0	22.00	.90	.20	-.010	-.1	.07	-10
		12	2	-10.0	1400.0	23.00	.90	.20	-.001	-.1	.02	-10
			9	-10.0	1400.0	23.00	1.00	.20	-.001	-.1	-.02	-10
			15	-10.0	1400.0	23.00	.60	.20	-.001	-.1	.08	-10
			22	-10.0	1400.0	23.00	.70	-.04	-.001	-.1	-.02	-10
			29	-10.0	1300.0	23.00	.50	-.04	-.001	-.1	-.02	-10
WN41	82	7	8									

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.6-2

CB-TRACT
NPDES WATER QUALITY SAMPLES
MONTHLY ANALYSIS

LOC	YR	MO	TOTAL CD (MG/L)	TOTAL CU (MG/L)	TOTAL HG (MG/L)	TOTAL AG (MG/L)	TOTAL ZN (MG/L)
WN40	82	7					
		8	-.01	-.02	-.00020	-.01	-.02
		9	-.01	-.02	-.00020		-.02
		10					
		11	-.01	-.02	-.00020	-.01	-.02
		12	-.01	-.02	.00020	-.01	-.02
WN41	82	7					
		8					
		9					
		10					
		11					
		12					
WN42	82	7					
		8					
		9					
		10					
		11					
		12					
WU02	82	7					
		8					
		9					
		10					
		11					
		12					

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.6-3

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
NPDES DISCHARGE

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WN40	82	7	1400.0	-.500	-.040	-.020	.33	950.0	450.0	-.100	230.0	540.0	4.3	5.2
		10	1500.0	-.100	-.300	-.020	-.50	1300.0	200.0	-.100	35.0	590.0	4.8	6.1

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.6-3 (Contd)

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
NPDES DISCHARGE

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WN40	82	7	-.020	1.00	-10.0	.0020	1.3	.50	1300.0	1.0	-5.0	8.0	-50.0	-.020	-.020
		10	-.010	.60	-10.0	-.0400	2.4	.70	1400.0	1.2	-5.0	9.0	-50.0	-.020	-.020

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.6-3 (Contd)

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
NPDES DISCHARGE

WELL	YR	MO	SIO2 (MG/L)	CYAN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WN40	82	7	14.0	.007			-.00020	-.020			-.010	.04	-.020	.03	22.00
		10	-1.0				-.00020	.010	-.010	.020	.050	-.05	-.020	-.02	19.00

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.6-3 (Contd)

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
NPDES DISCHARGE

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S2O3 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WN40	82	7				-1.0								
		10				4.0						-10.0		

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.6-3 (Contd)

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
NPDES DISCHARGE

WELL	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	W (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
WN40	82	7												.020	
		10											-.020		

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.6-3 (Contd)

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
NPDES DISCHARGE

WELL	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WN40	82	7										
		10										

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.6-4

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
NPDES DISCHARGE

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
WN40	82	7	8.8	2030.0	19.5			
		10	8.8	2030.0	12.5			

TABLE 2.2.2.6-5

CB-TRACT
QUARTER FIELD MEASUREMENTS
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
WW13	82	6	7.5	1420.0	
		8	7.6	2280.0	13.0
WW22	82	6	7.5	1050.0	
		8	8.4	2960.0	11.0
		9	7.4	1390.0	11.0
		10	7.3	2330.0	11.0
		11	7.4	2400.0	11.0
		12	7.5	2200.0	11.0
WW32	82	6	7.2	1010.0	
		9	8.2	2360.0	9.5

TABLE 2.2.2.6-6

CB-TRACT
QUARTER WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WW13	82	6	520.0	-.100	.300	-.020	-.50	480.0	30.0		540.0	230.0	94.0	61.0
		8												
WW22	82	6	46.0	-.100	14.000	-.020	-.50	44.0	2.0		700.0	250.0	80.0	150.0
		8												
		9												
		10												
		11												
		12												
WW32	82	6	380.0	-.100	.700	-.020	-.50	370.0	2.0	.300	390.0	130.0	50.0	75.0
		9												

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.6-6 (Contd)

CB-TRACT
QUARTER WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WW13	82	6	-.010	-.50	-10.0	.0020	4.0	-.10	1200.0	-.5	430.0	7.9	-50.0	-.020	-.020
		8													
WW22	82	6	-.010	-.50	-1.0	.0700	41.0	-.10	1800.0	-.5	1200.0	36.0	710.0	-.020	.100
		8													
		9													
		10													
		11													
		12													
WW32	82	6	-.010	21.00	-10.0	-.0010	1.8	-.10	810.0	-.5	250.0	47.0	-50.0	-.020	-.020
		9													

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.6-6 (Contd)

CB-TRACT
QUARTER WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	SIO2 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WW13	82	6				.40	-.00020	-.010	-.010	-.020	.020	.05	4.600	.13	.20
		8													
WW22	82	6				27.00	-.00020	-.010	-.010	-.020	.020	.20	.200	3.00	.70
		8													
		9													
		10													
		11													
		12													
WW32	82	6	20.0	-.005			-.00020	.010		.030	-.020	-.05	-.020	-.02	.10
		9													

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.6-7

Five Year Statistical Analysis
Discharge, Reinjection and Seepage

Computer Code	Location	Page No.
WN03	Pond C	I-622
WN40	Pond A-B Discharge	I-624
WQ01	Mine Water Above LeClaire Filter	I-626
WQ02	Mine Water Below LeClaire Filter	I-628
WQ03	Reinjection Point	I-630
WI17	Reinjection Well 24X-17	I-632
WI18	Reinjection Well 11X-18	I-634
WI19	Reinjection Well 22X-17	I-636
WW12	Seepage Monitoring Well 31X-12	I-638
WW13	Seepage Monitoring Well 41X-13-2	I-640
WW22 (Recompleted)	Seepage Monitoring Well 31X-12	I-642
WW32	Seepage Monitoring Well 32Y-12	I-644

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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                       103
                                                               14:10 THURSDAY, JANUARY 13, 1983
                                     LOC=#N03

VARIABLE    LABEL          N        MEAN       STANDARD      MINIMUM      MAXIMUM
                                               DEVIATION      VALUE        VALUE

TALK        TALK           3     1036.67        109.70       910.00      1100.00
AL          AL             0           .             .            .            .
ARS         ARS            0           .             .            .            .
FCOLIF      FCOLIF         0           .             .            .            .
BA          BA             0           .             .            .            .
HCO3        HCO3           3      763.33         73.71       680.00       820.00
BOD         BOD            0           .             .            .            .
B           B              3        0.80          0.10         0.70         0.90
BR          BR             0           .             .            .            .
TCOLIF      TCOLIF         0           .             .            .            .
CD          CD             0           .             .            .            .
CA          CA             3        7.07          0.64         6.70         7.80
CO3         CO3            3      287.33        177.88        92.00       440.00
CL          CL             3       27.83         33.93         7.60        67.00
CR          CR             0           .             .            .            .
COD         COD            0           .             .            .            .
CU          CU             0           .             .            .            .
DO          DO             3        7.14          1.13         5.98         8.24
DOC         DOC            0           .             .            .            .
LAS         LAS            0           .             .            .            .
F           F              3       19.00          0.00        19.00        19.00
HARD        HARD           0           .             .            .            .
FE          FE             0           .             .            .            .
KJN         KJN            0           .             .            .            .
PB          PB             0           .             .            .            .
LI          LI             0           .             .            .            .
MG          MG             3        5.20          0.10         5.10         5.30
MN          MN             0           .             .            .            .
HG          HG             0           .             .            .            .
MOLY        MOLY           0           .             .            .            .
NI          NI             0           .             .            .            .
NO3         NO3            3        3.53          0.06         3.50         3.60
OLGR        OLGR           0           .             .            .            .
S2O3        S2O3           0           .             .            .            .
PH          PH             3                                   7.94         8.90
K           K              3        5.23          1.79         3.70         7.20
RA          RA             0           .             .            .            .
BTR         BTR            0           .             .            .            .
RR          RR             0           .             .            .            .
SE          SE             0           .             .            .            .
AG          AG             0           .             .            .            .
NA          NA             3      553.33         30.55       520.00       580.00
TDS         TDS            3     1300.00          0.00      1300.00      1300.00
SOLS        SOLS           0           .             .            .            .
SPC         SPC            3     1936.67         45.09      1890.00      1980.00
SR          SR             0           .             .            .            .
SO4         SO4            3      116.67        132.93        34.00       270.00
TEMP        TEMP           2       21.50          0.71        21.00        22.00
ZN          ZN             0           .             .            .            .
TOC         TOC            0           .             .            .            .
PHEN        PHEN           0           .             .            .            .
CYAN        CYAN           0           .             .            .            .
NH3         NH3            3        0.43          0.15         0.30         0.60
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             5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                  104
                                                                                     14:10 THURSDAY, JANUARY 13, 1983
                                    LOC=WN03

VARIABLE  LABEL           N         MEAN        STANDARD       MINIMUM        MAXIMUM
                                                DEVIATION      VALUE          VALUE

PST       PST             0          .             .              .              .
SIO2      SIO2            0          .             .              .              .
U         U               0          .             .              .              .
SUSS      SUSS            0          .             .              .              .
TH        TH              0          .             .              .              .
CS        CS              0          .             .              .              .
I         I               0          .             .              .              .
SB        SB              0          .             .              .              .
ZR        ZR              0          .             .              .              .
Y         Y               0          .             .              .              .
RB        RB              0          .             .              .              .
GE        GE              0          .             .              .              .
GA        GA              0          .             .              .              .
TI        TI              0          .             .              .              .
SC        SC              0          .             .              .              .
W         W               0          .             .              .              .
CO        CO              0          .             .              .              .
V         V               0          .             .              .              .
BE        BE              0          .             .              .              .
OH        OH              0          .             .              .              .
CH        CH              0          .             .              .              .
PA        PA              0          .             .              .              .
MA        MA              0          .             .              .              .
SCN       SCN             0          .             .              .              .
TURB      TURB            0          .             .              .              .
FF        FF              0          .             .              .              .
TSSF      TSSF            0          .             .              .              .
R228      R228            0          .             .              .              .
```

3 YEAR STATISTICS FOR WATER PERIOD (JULY 1979 TO SEPTEMBER 1982)

Location - WN40

Variable	Units	N	Mean	Standard Deviation	Minimum Value	Maximum Value
Total Suspended Solids	mg/l	139	32.40	52.00	1.00	330.00
Total Dissolved Solids	mg/l	139	1247.05	335.21	140.00	3800.00
Fluoride	mg/l	136	14.76	7.01	1.10	26.00
Boron	mg/l	136	.55	.30	.07	1.10
Ammonia	mg/l	136	1.16	.87	.04	5.80
Phenol	mg/l	137	.01	.01	.00	.05
Aluminum	mg/l	140	.61	1.23	.10	11.00
Iron	mg/l	140	.38	.61	.02	4.00
Oil and Grease	mg/l	138	5.69	4.61	1.00	27.00
pH	Unit	133			6.20	9.40
Cadmium	mg/l	31	.01	.00	.01	.02
Copper	mg/l	31	.02	.01	.01	.04
Mercury	mg/l	32	.00	.00	.00	.00
Silver	mg/l	26	.01	.00	.01	.01
Zinc	mg/l	29	.50	.07	.01	.40
SPC	mhos	98	1975.35	236.34	1200.00	2560.00
DO	mg/l	69	7.15	.74	5.70	9.10
Temperature	Degree C	98	16.98	4.13	6.00	24.00

3 YEAR STATISTICS FOR WATER PERIOD (JULY 1979 TO SEPTEMBER 1982)

Location - WN40

Variable	Units	N	Mean	Standard Deviation	Minimum Value	Maximum Value
Total Suspended Solids	mg/l	139	32.40	52.00	1.00	330.00
Total Dissolved Solids	mg/l	139	1247.05	335.21	140.00	3800.00
Fluoride	mg/l	136	14.76	7.01	1.10	26.00
Boron	mg/l	136	.55	.30	.07	1.10
Ammonia	mg/l	136	1.16	.87	.04	5.80
Phenol	mg/l	137	.01	.01	.00	.05
Aluminum	mg/l	140	.61	1.23	.10	11.00
Iron	mg/l	140	.38	.61	.02	4.00
Oil and Grease	mg/l	138	5.69	4.61	1.00	27.00
pH	Unit	133			6.20	9.40
Cadmium	mg/l	31	.01	.00	.01	.02
Copper	mg/l	31	.02	.01	.01	.04
Mercury	mg/l	32	.00	.00	.00	.00
Silver	mg/l	26	.01	.00	.01	.01
Zinc	mg/l	29	.50	.07	.01	.40
SPC	mhos	98	1975.35	236.34	1200.00	2560.00
DO	mg/l	69	7.15	.74	5.70	9.10
Temperature	Degree C	98	16.98	4.13	6.00	24.00

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     5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                             107
                                                                          14:10 THURSDAY, JANUARY 13, 1983
                                       LOC=WQ01

VARIABLE  LABEL            N         MEAN     STANDARD      MINIMUM      MAXIMUM
                                              DEVIATION       VALUE        VALUE

TALK      TALK             6       936.67       218.60       510.00      1100.00
AL        AL               0          .            .            .            .
ARS       ARS              0          .            .            .            .
FCOLIF    FCOLIF           0          .            .            .            .
BA        BA               0          .            .            .            .
HCO3      HCO3             6       778.33       234.98       420.00      1000.00
BOD       BOD              0          .            .            .            .
B         B                3         0.57         0.06         0.50         0.60
BR        BR               0          .            .            .            .
TCOLIF    TCOLIF           0          .            .            .            .
CD        CD               0          .            .            .            .
CA        CA               3         7.67         1.72         6.10         9.50
CO3       CO3              6       136.33       151.90         1.00       400.00
CL        CL               6         7.93         2.65         4.00        11.00
CR        CR               0          .            .            .            .
COD       COD              0          .            .            .            .
CU        CU               0          .            .            .            .
DO        DO               3         7.50         1.35         6.00         8.60
DOC       DOC              0          .            .            .            .
LAS       LAS              0          .            .            .            .
F         F                6        19.00         3.63        12.00        22.00
HARD      HARD             0          .            .            .            .
FE        FE               3         0.02         0.00         0.02         0.02
KJN       KJN              0          .            .            .            .
PB        PB               0          .            .            .            .
LI        LI               0          .            .            .            .
MG        MG               5         4.90         0.40         4.50         5.50
MN        MN               1         4.40           .          4.40         4.40
HG        HG               0          .            .            .            .
MOLY      MOLY             0          .            .            .            .
NI        NI               0          .            .            .            .
NO3       NO3              3         0.87         0.35         0.50         1.20
OLGR      OLGR             0          .            .            .            .
S2O3      S2O3             0          .            .            .            .
PH        PH               4                                   0.10         9.00
K         K                4        14.50        23.00         2.70        49.00
RA        RA               0          .            .            .            .
BTR       BTR              0          .            .            .            .
RR        RR               0          .            .            .            .
SE        SE               0          .            .            .            .
AG        AG               0          .            .            .            .
NA        NA               6       578.33        20.41       550.00       610.00
TDS       TDS              6      1326.67       281.90       760.00      1500.00
SOLS      SOLS             0          .            .            .            .
SPC       SPC              3      1943.33        32.15      1920.00      1980.00
SR        SR               0          .            .            .            .
SO4       SO4              6       208.33       122.22       120.00       450.00
TEMP      TEMP             3        16.67         1.53        15.00        18.00
ZN        ZN               0          .            .            .            .
TOC       TOC              0          .            .            .            .
PHEN      PHEN             3         0.00         0.00         0.00         0.00
CYAN      CYAN             0          .            .            .            .
NH3       NH3              5         0.41         0.30         0.04         0.80
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          5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                          108
                                                                                14:10 THURSDAY, JANUARY 13, 1983
                                          LOC=*J01

VARIABLE    LABEL            N         MEAN         STANDARD        MINIMUM         MAXIMUM
                                                    DEVIATION        VALUE           VALUE

PST         PST              0           .              .              .               .
SIO2        SIO2             0           .              .              .               .
U           U                0           .              .              .               .
SUSS        SUSS             0           .              .              .               .
TH          TH               0           .              .              .               .
CS          CS               0           .              .              .               .
I           I                0           .              .              .               .
SB          SB               0           .              .              .               .
ZR          ZR               0           .              .              .               .
Y           Y                0           .              .              .               .
RB          RB               0           .              .              .               .
GE          GE               0           .              .              .               .
GA          GA               0           .              .              .               .
TI          TI               0           .              .              .               .
SC          SC               0           .              .              .               .
*           *                0           .              .              .               .
CU          CU               0           .              .              .               .
V           V                0           .              .              .               .
BE          BE               0           .              .              .               .
OH          OH               0           .              .              .               .
CH          CH               0           .              .              .               .
PA          PA               0           .              .              .               .
MA          MA               0           .              .              .               .
SCN         SCN              0           .              .              .               .
TURB        TURB             0           .              .              .               .
FF          FF               1         18.80            .            18.80           18.80
TSSF        TSSF             2          7.65          0.21            7.50            7.80
R228        R228             0           .              .              .               .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                              109
                                                                     14:10 THURSDAY, JANUARY 13, 1983
                                   LOC=#002

VARIABLE    LABEL          N         MEAN        STANDARD        MINIMUM        MAXIMUM
                                                 DEVIATION        VALUE          VALUE

TALK        TALK           3        953.33         40.41         910.00         990.00
AL          AL             0          .              .              .              .
ARS         ARS            0          .              .              .              .
FCOLIF      FCOLIF         0          .              .              .              .
BA          BA             0          .              .              .              .
HCO3        HCO3           3        740.00        165.23         580.00         910.00
BOD         BOD            0          .              .              .              .
B           B              0          .              .              .              .
BR          BR             0          .              .              .              .
TCOLIF      TCOLIF         0          .              .              .              .
CD          CD             0          .              .              .              .
CA          CA             0          .              .              .              .
CO3         CO3            3        215.33        159.95          76.00         390.00
CL          CL             3         10.23          2.40           8.70          13.00
CR          CR             0          .              .              .              .
COD         COD            0          .              .              .              .
CU          CU             0          .              .              .              .
DO          DO             3          7.57          1.50           5.90           8.80
DOC         DOC            0          .              .              .              .
LAS         LAS            0          .              .              .              .
F           F              3         18.67          0.58          18.00          19.00
HARD        HARD           0          .              .              .              .
FE          FE             3          0.02          0.00           0.02           0.02
KJN         KJN            0          .              .              .              .
PB          PB             0          .              .              .              .
LI          LI             0          .              .              .              .
MG          MG             3          4.97          0.51           4.40           5.40
MN          MN             0          .              .              .              .
HG          HG             0          .              .              .              .
MOLY        MOLY           0          .              .              .              .
NI          NI             0          .              .              .              .
NO3         NO3            0          .              .              .              .
OLGR        OLGR           0          .              .              .              .
S2O3        S2O3           0          .              .              .              .
PH          PH             3                         _            7.87           9.00
K           K              1         49.00           .            49.00          49.00
RA          RA             0          .              .              .              .
BTR         BTR            0          .              .              .              .
RR          RR             0          .              .              .              .
SE          SE             0          .              .              .              .
AG          AG             0          .              .              .              .
NA          NA             3        556.67         11.55         550.00         570.00
TDS         TDS            3       1400.00          0.00        1400.00        1400.00
SOLS        SOLS           0          .              .              .              .
SPC         SPC            3       1953.33         15.28        1940.00        1970.00
SR          SR             0          .              .              .              .
SO4         SO4            3        200.00         40.00         160.00         240.00
TEMP        TEMP           3         16.67          1.53          15.00          18.00
ZN          ZN             0          .              .              .              .
TOC         TOC            0          .              .              .              .
PHEN        PHEN           3          0.00          0.00           0.00           0.00
CYAN        CYAN           0          .              .              .              .
NH3         NH3            3          0.53          0.31           0.20           0.80
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         5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                       110
                                                                          14:10 THURSDAY, JANUARY 13, 1983
                                           LOC=WQ02

VARIABLE    LABEL            N         MEAN        STANDARD       MINIMUM       MAXIMUM
                                                   DEVIATION       VALUE         VALUE

PST         PST              0           .             .             .             .
SIO2        SIO2             0           .             .             .             .
U           U                0           .             .             .             .
SUSS        SUSS             0           .             .             .             .
TH          TH               0           .             .             .             .
CS          CS               0           .             .             .             .
I           I                0           .             .             .             .
SB          SB               0           .             .             .             .
ZR          ZR               0           .             .             .             .
Y           Y                0           .             .             .             .
RB          RB               0           .             .             .             .
GE          GE               0           .             .             .             .
GA          GA               0           .             .             .             .
TI          TI               0           .             .             .             .
SC          SC               0           .             .             .             .
W           W                0           .             .             .             .
CO          CO               0           .             .             .             .
V           V                0           .             .             .             .
BE          BE               0           .             .             .             .
OH          OH               0           .             .             .             .
CH          CH               0           .             .             .             .
PA          PA               0           .             .             .             .
MA          MA               0           .             .             .             .
SCN         SCN              0           .             .             .             .
TURB        TURB             0           .             .             .             .
FF          FF               1         19.10           .           19.10         19.10
TSSF        TSSF             3          2.90          1.90          0.80          4.50
R228        R228             0           .             .             .             .
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      5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                111
                                                                                14:10 THURSDAY, JANUARY 13, 1983
                                          LOC=WQ03

VARIABLE   LABEL           N         MEAN        STANDARD        MINIMUM        MAXIMUM
                                                 DEVIATION        VALUE          VALUE

TALK       TALK            8      1002.50          88.60         870.00        1100.00
AL         AL             15         0.10           0.00           0.10           0.10
ARS        ARS             0          .              .              .              .
FCOLIF     FCOLIF          0          .              .              .              .
BA         BA              0          .              .              .              .
HCO3       HCO3            8       881.25         154.31         630.00        1100.00
BOD        BOD             0          .              .              .              .
B          B              15         0.73           0.09           0.60           0.90
BR         BR              0          .              .              .              .
TCOLIF     TCOLIF          0          .              .              .              .
CD         CD              0          .              .              .              .
CA         CA              3         6.63           0.87           5.90           7.60
CO3        CO3             8       108.63         108.70           1.00         340.00
CL         CL              8         8.54           2.02           4.00          11.00
CR         CR              0          .              .              .              .
COD        COD             0          .              .              .              .
CU         CU              0          .              .              .              .
DO         DO             19         7.14           0.81           5.69           8.60
DOC        DOC             0          .              .              .              .
LAS        LAS             0          .              .              .              .
F          F              23        19.65           1.53          18.00          25.00
HARD       HARD            0          .              .              .              .
FE         FE             23         0.02           0.01           0.02           0.05
KJN        KJN             0          .              .              .              .
PB         PB              0          .              .              .              .
LI         LI              0          .              .              .              .
MG         MG              8         4.70           0.50           3.90           5.40
MN         MN              0          .              .              .              .
HG         HG              1         0.00            .             0.00           0.00
MOLY       MOLY            0          .              .              .              .
NI         NI              0          .              .              .              .
NO3        NO3             0          .              .              .              .
OLGR       OLGR           14         4.79           3.40           1.00          10.00
S2O3       S2O3            0          .              .              .              .
PH         PH             20                                       7.60           9.00
K          K               3        18.43          26.47           2.80          49.00
RA         RA              0          .              .              .              .
BTR        BTR             0          .              .              .              .
RR         RR              0          .              .              .              .
SE         SE              0          .              .              .              .
AG         AG              0          .              .              .              .
NA         NA              8       573.75          26.15         530.00         610.00
TDS        TDS            23      1365.22          93.46        1100.00        1500.00
SOLS       SOLS            0          .              .              .              .
SPC        SPC            20      1951.00         133.69        1780.00        2250.00
SR         SR              0          .              .              .              .
SO4        SO4             8       222.00          95.40          76.00         400.00
TEMP       TEMP           20        18.50           2.59          14.00          22.00
ZN         ZN              0          .              .              .              .
TOC        TOC             0          .              .              .              .
PHEN       PHEN           23         0.00           0.01           0.00           0.04
CYAN       CYAN            0          .              .              .              .
NH3        NH3            23         1.05           1.05           0.04           5.30
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        5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                  112
                                                                           14:10 THURSDAY, JANUARY 13, 1983
                                           LOC=W003

VARIABLE    LABEL              N          MEAN          STANDARD        MINIMUM        MAXIMUM
                                                        DEVIATION        VALUE          VALUE

PST         PST                0            .               .              .              .
SIO2        SIO2               0            .               .              .              .
U           U                  0            .               .              .              .
SUSS        SUSS              15          8.80            9.86           1.00          32.00
TH          TH                 0            .               .              .              .
CS          CS                 0            .               .              .              .
I           I                  0            .               .              .              .
SB          SB                 0            .               .              .              .
ZR          ZR                 0            .               .              .              .
Y           Y                  0            .               .              .              .
RB          RB                 0            .               .              .              .
GE          GE                 0            .               .              .              .
GA          GA                 0            .               .              .              .
TI          TI                 0            .               .              .              .
SC          SC                 0            .               .              .              .
W           W                  0            .               .              .              .
CU          CU                 0            .               .              .              .
V           V                  0            .               .              .              .
BE          BE                 0            .               .              .              .
OH          OH                 0            .               .              .              .
CH          CH                 0            .               .              .              .
PA          PA                 0            .               .              .              .
MA          MA                 0            .               .              .              .
SCN         SCN                0            .               .              .              .
TURB        TURB               0            .               .              .              .
FF          FF                 4         18.70            0.54          18.30          19.50
TSSF        TSSF              14          1.74            0.84           0.70           3.10
R228        R228               0            .               .              .              .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                  97
                                                                    14:10 THURSDAY, JANUARY 13, 1983
                                     LOC=#117

VARIABLE    LABEL           N        MEAN       STANDARD       MINIMUM       MAXIMUM
                                                DEVIATION       VALUE         VALUE

TALK        TALK            1       630.00          .          630.00        630.00
AL          AL              1         0.10          .            0.10          0.10
ARS         ARS             1         0.02          .            0.02          0.02
FCOLIF      FCOLIF          0          .            .             .             .
BA          BA              1         0.50          .            0.50          0.50
HCO3        HCO3            1       410.00          .          410.00        410.00
BOD         BOD             1       150.00          .          150.00        150.00
B           B               1         0.60          .            0.60          0.60
BR          BR              1         0.10          .            0.10          0.10
TCOLIF      TCOLIF          0          .            .             .             .
CD          CD              0          .            .             .             .
CA          CA              1         4.50          .            4.50          4.50
CO3         CO3             1       220.00          .          220.00        220.00
CL          CL              1         6.30          .            6.30          6.30
CR          CR              1         0.02          .            0.02          0.02
COD         COD             1        50.00          .           50.00         50.00
CU          CU              1         0.02          .            0.02          0.02
DO          DO              0          .            .             .             .
DOC         DOC             1        29.00          .           29.00         29.00
LAS         LAS             0          .            .             .             .
F           F               1        20.00          .           20.00         20.00
HARD        HARD            1        22.00          .           22.00         22.00
FE          FE              1         0.07          .            0.07          0.07
KJN         KJN             1         1.10          .            1.10          1.10
PB          PB              1         0.02          .            0.02          0.02
LI          LI              1         0.07          .            0.07          0.07
MG          MG              1         2.60          .            2.60          2.60
MN          MN              1         0.02          .            0.02          0.02
HG          HG              1         0.00          .            0.00          0.00
MOLY        MOLY            1         0.02          .            0.02          0.02
NI          NI              1         0.02          .            0.02          0.02
NO3         NO3             1         0.50          .            0.50          0.50
OLGR        OLGR            1        10.00          .           10.00         10.00
S2O3        S2O3            0          .            .             .             .
PH          PH              1                                    8.66          8.66
K           K               1         5.40          .            5.40          5.40
RA          RA              0          .            .             .             .
BTR         BTR             0          .            .             .             .
RR          RR              0          .            .             .             .
SE          SE              1         0.01          .            0.01          0.01
AG          AG              1         0.01          .            0.01          0.01
NA          NA              1       290.00          .          290.00        290.00
TDS         TDS             1       730.00          .          730.00        730.00
SOLS        SOLS            0          .            .             .             .
SPC         SPC             1      1170.00          .         1170.00       1170.00
SR          SR              1         1.20          .            1.20          1.20
SO4         SO4             1         5.00          .            5.00          5.00
TEMP        TEMP            1        12.00          .           12.00         12.00
ZN          ZN              1         0.02          .            0.02          0.02
TOC         TOC             0          .            .             .             .
PHEN        PHEN            1         0.01          .            0.01          0.01
CYAN        CYAN            0          .            .             .             .
NH3         NH3             1         1.10          .    .05     1.10          1.10
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                        98
                                                                   14:10 THURSDAY, JANUARY 13, 1983
                                           LOC=W117

VARIABLE   LABEL           N        MEAN        STANDARD       MINIMUM        MAXIMUM
                                                DEVIATION      VALUE          VALUE

PST        PST             0          .              .             .              .
SIO2       SIO2            1        16.00            .           16.00          16.00
U          U               0          .              .             .              .
SUSS       SUSS            0          .              .             .              .
TH         TH              0          .              .             .              .
CS         CS              0          .              .             .              .
I          I               0          .              .             .              .
SB         SB              0          .              .             .              .
ZR         ZR              0          .              .             .              .
Y          Y               0          .              .             .              .
RB         RB              0          .              .             .              .
GE         GE              0          .              .             .              .
GA         GA              0          .              .             .              .
TI         TI              0          .              .             .              .
SC         SC              0          .              .             .              .
W          W               0          .              .             .              .
CO         CO              0          .              .             .              .
V          V               0          .              .             .              .
BE         BE              0          .              .             .              .
OH         OH              0          .              .             .              .
CH         CH              0          .              .             .              .
PA         PA              0          .              .             .              .
MA         MA              0          .              .             .              .
SCN        SCN             1         0.10            .            0.10           0.10
TURB       TURB            0          .              .             .              .
FF         FF              0          .              .             .              .
TSSF       TSSF            0          .              .             .              .
R226       R228            0          .              .             .              .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                  99
                                                                          14:10 THURSDAY, JANUARY 13, 1983
                                          LOC=#I18

VARIABLE   LABEL           N        MEAN       STANDARD      MINIMUM      MAXIMUM
                                                DEVIATION      VALUE        VALUE

TALK       TALK            5       840.00       356.30       430.00      1100.00
AL         AL              4         0.10         0.00         0.10         0.10
ARS        ARS             4         0.02         0.00         0.02         0.02
FCOLIF     FCOLIF          0          .            .            .            .
BA         BA              4         0.52         0.05         0.50         0.60
HCO3       HCO3            5       740.00       403.98       280.00      1100.00
BOD        BOD             2        35.00        26.87        16.00        54.00
B          B               4         0.67         0.41         0.30         1.20
BR         BR              4         0.10         0.00         0.10         0.10
TCOLIF     TCOLIF          0          .            .            .            .
CD         CD              0          .            .            .            .
CA         CA              4         5.02         0.79         4.30         6.10
CO3        CO3             5        75.20        69.95        11.00       150.00
CL         CL              5        11.50        12.81         2.50        34.00
CR         CR              4         0.02         0.00         0.02         0.02
COD        COD             4        31.25        23.60         1.00        50.00
CU         CU              4         0.06         0.09         0.02         0.20
DO         DO              0          .            .            .            .
DOC        DOC             4         2.00         1.15         1.00         3.00
LAS        LAS             0          .            .            .            .
F          F               5        19.60         3.97        15.00        25.00
HARD       HARD            4        54.00        50.84        23.00       130.00
FE         FE              5         0.02         0.01         0.02         0.03
KJN        KJN             2         0.70         0.14         0.60         0.80
PB         PB              4         0.03         0.01         0.02         0.05
LI         LI              4         0.05         0.00         0.05         0.05
MG         MG              5         3.70         0.82         2.80         4.40
MN         MN              4         0.02         0.00         0.02         0.03
HG         HG              4         0.00         0.00         0.00         0.00
MOLY       MOLY            4         0.01         0.01         0.01         0.03
NI         NI              2         0.02         0.00         0.02         0.02
NO3        NO3             4         1.07         0.80         0.50         2.20
OLGR       OLGR            4         7.25         3.40         3.00        10.00
S2O3       S2O3            0          .            .            .            .
PH         PH              3                                   7.36         8.50
K          K               4         2.67         0.98         1.90         4.10
RA         RA              4         2.25         1.50         1.00         4.00
BTR        BTR             4         5.00         2.94         2.00         8.00
RR         RR              0          .            .            .            .
SE         SE              4         0.01         0.00         0.01         0.01
AG         AG              2         0.01         0.00         0.01         0.01
NA         NA              5       448.00       219.13       210.00       630.00
TDS        TDS             5      1058.00       468.32       540.00      1400.00
SOLS       SOLS            0          .            .            .            .
SPC        SPC             3      1810.33        49.50      1761.00      1860.00
SR         SR              4         1.02         0.67         0.50         1.90
SO4        SO4             5        92.20       125.45         7.00       310.00
TEMP       TEMP            0          .            .            .            .
ZN         ZN              4         0.02         0.00         0.02         0.02
TOC        TOC             0          .            .            .            .
PHEN       PHEN            5         0.01         0.02         0.00         0.05
CYAN       CYAN            1         0.00          .           0.00         0.00
NH3        NH3             5         0.20         0.18         0.04         0.40
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                           100
                                                                  14:10 THURSDAY, JANUARY 13, 1983
                                     LOC=W118

VARIABLE   LABEL           N       MEAN       STANDARD       MINIMUM      MAXIMUM
                                              DEVIATION       VALUE        VALUE

PST        PST             0         .            .             .            .
SIO2       SIO2            2       13.00         1.41         12.00        14.00
U          U               0         .            .             .            .
SUSS       SUSS            0         .            .             .            .
TH         TH              0         .            .             .            .
CS         CS              0         .            .             .            .
I          I               0         .            .             .            .
SB         SB              0         .            .             .            .
ZR         ZR              0         .            .             .            .
Y          Y               0         .            .             .            .
RB         RB              0         .            .             .            .
GE         GE              0         .            .             .            .
GA         GA              0         .            .             .            .
TI         TI              0         .            .             .            .
SC         SC              0         .            .             .            .
W          W               0         .            .             .            .
CU         CU              2        0.02         0.00          0.02         0.02
V          V               0         .            .             .            .
BE         BE              0         .            .             .            .
OH         OH              0         .            .             .            .
CH         CH              0         .            .             .            .
PA         PA              0         .            .             .            .
MA         MA              0         .            .             .            .
SCN        SCN             0         .            .             .            .
TURB       TURB            0         .            .             .            .
FF         FF              0         .            .             .            .
TSSF       TSSF            0         .            .             .            .
R228       R228            0         .            .             .            .
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       5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                         101
                                                                             14:10 THURSDAY, JANUARY 13, 1983
                                         LOC=#119

VARIABLE    LABEL          N          MEAN        STANDARD        MINIMUM         MAXIMUM
                                                  DEVIATION        VALUE           VALUE

TALK        TALK           1        640.00            .           640.00          640.00
AL          AL             1          0.10            .             0.10            0.10
ARS         ARS            1          0.02            .             0.02            0.02
FCOLIF      FCOLIF         0           .              .              .               .
BA          BA             1          0.50            .             0.50            0.50
HCO3        HCO3           1        500.00            .           500.00          500.00
BOD         BOD            1        150.00            .           150.00          150.00
B           B              1          0.60            .             0.60            0.60
BR          BR             1          0.10            .             0.10            0.10
TCOLIF      TCOLIF         0           .              .              .               .
CD          CD             0           .              .              .               .
CA          CA             1          5.80            .             5.80            5.80
CO3         CO3            1        140.00            .           140.00          140.00
CL          CL             1          6.90            .             6.90            6.90
CR          CR             1          0.02            .             0.02            0.02
COD         COD            1         24.00            .            24.00           24.00
CU          CU             1          0.03            .             0.03            0.03
DO          DO             0           .              .              .               .
DOC         DOC            1          4.00            .             4.00            4.00
LAS         LAS            0           .              .              .               .
F           F              1         14.00            .            14.00           14.00
HARD        HARD           1         27.00            .            27.00           27.00
FE          FE             1          0.02            .             0.02            0.02
KJN         KJN            1          1.40            .             1.40            1.40
PB          PB             1          0.02            .             0.02            0.02
LI          LI             1          0.05            .             0.05            0.05
MG          MG             1          3.10            .             3.10            3.10
MN          MN             1          0.02            .             0.02            0.02
HG          HG             1          0.00            .             0.00            0.00
MOLY        MOLY           1          0.02            .             0.02            0.02
NI          NI             1          0.04            .             0.04            0.04
NO3         NO3            1          0.50            .             0.50            0.50
OLGR        OLGR           1          2.00            .             2.00            2.00
S2O3        S2O3           0           .              .              .               .
PH          PH             1                                        8.39            8.39
K           K              1          1.60            .             1.60            1.60
RA          RA             0           .              .              .               .
BTR         BTR            0           .              .              .               .
RR          RR             0           .              .              .               .
SE          SE             1          0.01            .             0.01            0.01
AG          AG             1          0.01            .             0.01            0.01
NA          NA             1        320.00            .           320.00          320.00
TDS         TDS            1        780.00            .           780.00          780.00
SOLS        SOLS           0           .              .              .               .
SPC         SPC            1       1420.00            .          1420.00         1420.00
SR          SR             1          0.70            .             0.70            0.70
SO4         SO4            1          5.00            .             5.00            5.00
TEMP        TEMP           0           .              .              .               .
ZN          ZN             1          0.03            .             0.03            0.03
TOC         TOC            0           .              .              .               .
PHEN        PHEN           1          0.00            .             0.00            0.00
CYAN        CYAN           0           .              .              .               .
NH3         NH3            1          1.00            .             1.00            1.00
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                       102
                                                                14:10 THURSDAY, JANUARY 13, 1983
                                      LOC=W119

VARIABLE   LABEL           N        MEAN      STANDARD      MINIMUM     MAXIMUM
                                              DEVIATION      VALUE       VALUE

PST        PST             0          .           .            .           .
SIO2       SIO2            1        13.00         .          13.00       13.00
U          U               0          .           .            .           .
SUSS       SUSS            0          .           .            .           .
TH         TH              0          .           .            .           .
CS         CS              0          .           .            .           .
I          I               0          .           .            .           .
SB         SB              0          .           .            .           .
ZR         ZR              0          .           .            .           .
Y          Y               0          .           .            .           .
RB         RB              0          .           .            .           .
GE         GE              0          .           .            .           .
GA         GA              0          .           .            .           .
TI         TI              0          .           .            .           .
SC         SC              0          .           .            .           .
W          W               0          .           .            .           .
CO         CO              0          .           .            .           .
V          V               0          .           .            .           .
BE         BE              0          .           .            .           .
OH         OH              0          .           .            .           .
CH         CH              0          .           .            .           .
PA         PA              0          .           .            .           .
MA         MA              0          .           .            .           .
SCN        SCN             1         0.10         .           0.10        0.10
TURB       TURB            0          .           .            .           .
FF         FF              0          .           .            .           .
TSSF       TSSF            0          .           .            .           .
R228       R228            0          .           .            .           .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                   141
                                                                          14:10 THURSDAY, JANUARY 13, 1983
                                      LOC=WW12

VARIABLE    LABEL              N          MEAN        STANDARD         MINIMUM          MAXIMUM
                                                      DEVIATION         VALUE            VALUE

TALK        TALK              18         206.00         189.59           90.00           600.00
AL          AL                16           0.11           0.03            0.10             0.20
ARS         ARS               16           0.02           0.00            0.02             0.02
FCOLIF      FCOLIF             1           1.00            .              1.00             1.00
BA          BA                16           0.50           0.00            0.50             0.50
HCO3        HCO3              18         129.56         217.42            1.00           600.00
BOD         BOD               18          22.78          17.16            1.00            76.00
B           B                 15           0.11           0.04            0.10             0.20
BR          BR                16           0.12           0.08            0.10             0.40
TCOLIF      TCOLIF             1           1.00            .              1.00             1.00
CD          CD                 5           0.02           0.00            0.02             0.02
CA          CA                17          27.71          30.41           11.00           100.00
CO3         CO3               18          64.78          34.48            1.00           100.00
CL          CL                18         132.94         315.80           13.00          1000.00
CR          CR                16           0.02           0.00            0.01             0.02
COD         COD               18          32.56           8.28           19.00            50.00
CU          CU                16           0.02           0.01            0.02             0.04
DO          DO                12           6.02           1.46            4.00             9.50
DOC         DOC               13          11.08           2.25            9.00            16.00
LAS         LAS                1           0.05            .              0.05             0.05
F           F                 17           1.15           0.75            0.40             3.00
HARD        HARD              16         235.38         270.45           75.00           860.00
FE          FE                16           1.12           2.84            0.02             8.40
KJN         KJN               14          12.57           2.82            4.00            16.00
PB          PB                16           0.02           0.01            0.02             0.04
LI          LI                16           0.05           0.02            0.02             0.10
MG          MG                17          34.88          38.28           11.00           120.00
MN          MN                16           0.04           0.05            0.01             0.20
HG          HG                 4           0.01           0.01            0.00             0.02
MOLY        MOLY              17           0.02           0.01            0.01             0.02
NI          NI                17           0.02           0.01            0.02             0.07
NO3         NO3               18          12.76          20.33            0.10            55.00
OLGR        OLGR              18           9.12           8.69            1.00            40.00
S2O3        S2O3               1           1.00            .              1.00             1.00
PH          PH                12                                            8.60             9.30
K           K                 17           4.69           1.86            2.00             7.50
RA          RA                 1           9.90            .              9.90             9.90
BTR         BTR                1          16.00            .             16.00            16.00
RR          RR                 0             .             .                .                .
SE          SE                 2           0.01           0.01            0.00             0.02
AG          AG                 5           0.01           0.01            0.01             0.02
NA          NA                17         141.76          30.26          120.00           220.00
TDS         TDS               17         677.65         335.68          440.00          1500.00
SOLS        SOLS               0             .             .                .                .
SPC         SPC               12         804.17          67.21          700.00           940.00
SR          SR                16           2.48           3.38            0.50            11.00
SO4         SO4               18         318.33         117.34          200.00           600.00
TEMP        TEMP              12          15.13           4.33           10.00            21.50
ZN          ZN                16           0.09           0.17            0.01             0.50
TOC         TOC                1          63.00            .             63.00            63.00
PHEN        PHEN              18           0.02           0.03            0.00             0.12
CYAN        CYAN               0             .             .                .                .
NH3         NH3               18           8.47           4.77            0.20            14.00
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                142
                                                                       14:10 THURSDAY, JANUARY 13, 1983
                                          LOC=WW12

VARIABLE    LABEL          N        MEAN        STANDARD       MINIMUM       MAXIMUM
                                                DEVIATION       VALUE         VALUE

PST         PST            0          .             .             .             .
SIO2        SIO2           1         1.00           .            1.00          1.00
U           U              0          .             .             .             .
SUSS        SUSS           6       134.67        159.23         18.00        340.00
TH          TH             0          .             .             .             .
CS          CS             0          .             .             .             .
I           I              0          .             .             .             .
SB          SB             0          .             .             .             .
ZR          ZR             0          .             .             .             .
Y           Y              0          .             .             .             .
RB          RB             0          .             .             .             .
GE          GE             0          .             .             .             .
GA          GA             0          .             .             .             .
TI          TI             0          .             .             .             .
SC          SC             0          .             .             .             .
W           W              0          .             .             .             .
CO          CO            12         0.02          0.00          0.02          0.03
V           V              0          .             .             .             .
BE          BE             0          .             .             .             .
OH          OH             4        18.00         14.70         10.00         40.00
CH          CH             0          .             .             .             .
PA          PA             0          .             .             .             .
MA          MA             0          .             .             .             .
SCN         SCN            0          .             .             .             .
TURB        TURB           0          .             .             .             .
FF          FF             0          .             .             .             .
TSSF        TSSF           0          .             .             .             .
R228        R228           0          .             .             .             .
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                                        LOC=WW13

VARIABLE    LABEL         N         MEAN       STANDARD       MINIMUM        MAXIMUM
                                               DEVIATION        VALUE          VALUE

TALK        TALK         23       400.78          38.72        348.00         520.00
AL          AL           10         0.10           0.00          0.10           0.10
ARS         ARS          17         0.02           0.00          0.02           0.03
FCOLIF      FCOLIF        0          .              .              .              .
BA          BA           10         0.50           0.00          0.50           0.50
HCO3        HCO3         22       365.00          63.08        230.00         480.00
BOD         BOD          16        38.15          48.12          1.00         150.00
B           B            17         0.12           0.04          0.10           0.20
BR          BR            7         0.10           0.00          0.10           0.10
TCOLIF      TCOLIF        0          .              .              .              .
CD          CD            2         0.01           0.00          0.01           0.01
CA          CA           23        46.49          24.99          5.70          85.00
CO3         CO3          22        37.91          45.29          1.00         140.00
CL          CL           23        17.01          16.99          6.80          81.00
CR          CR           10         0.02           0.00          0.02           0.02
COD         COD          16        19.44          26.91          1.00         100.00
CU          CU           10         0.02           0.00          0.01           0.02
DO          DO           19         4.94           1.82          2.77           8.80
DOC         DOC          22        14.30          24.43          1.00          90.00
LAS         LAS           0          .              .              .              .
F           F            17         0.15           0.10          0.10           0.50
HARD        HARD         12       453.33         143.36        280.00         850.00
FE          FE           17         0.12           0.24          0.02           0.90
KJN         KJN          23         3.47           9.22          0.10          45.00
PB          PB           10         0.02           0.01          0.02           0.05
LI          LI           10         0.05           0.00          0.05           0.06
MG          MG           23        72.04           8.58         63.00          96.00
MN          MN           17         0.43           1.08          0.04           4.60
HG          HG            4         0.01           0.01          0.00           0.02
MOLY        MOLY         16         0.06           0.05          0.01           0.20
NI          NI           16         0.03           0.02          0.02           0.08
NO3         NO3          23         9.85          20.91          0.10          89.00
OLGR        OLGR         16         4.88           4.35          1.00          14.00
S2O3        S2O3          0          .              .              .              .
PH          PH           21                                      7.00           8.71
K           K            23         3.41           1.57          1.70           9.20
RA          RA            1        29.00            .           29.00          29.00
BTR         BTR           1        30.00            .           30.00          30.00
RR          RR            0          .              .              .              .
SE          SE            4         0.01           0.01          0.00           0.02
AG          AG            6         0.01           0.00          0.01           0.02
NA          NA           23       195.22          18.55        170.00         230.00
TDS         TDS          23       957.39         103.14        670.00        1200.00
SOLS        SOLS          0          .              .              .              .
SPC         SPC          21      1340.00         159.69        800.00        1590.00
SR          SR           10         3.75           2.21          0.50           6.60
SO4         SO4          16       426.88          67.00        320.00         590.00
TEMP        TEMP         15        15.91           3.44         11.00          24.20
ZN          ZN           10         0.03           0.02          0.02           0.06
TOC         TOC           0          .              .              .              .
PHEN        PHEN         16         0.01           0.02          0.00           0.06
CYAN        CYAN          0          .              .              .              .
NH3         NH3          22         1.03           1.63          0.03           6.80
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                          144
                                                                   14:10 THURSDAY, JANUARY 13, 1983
                                        LOC=WW13

VARIABLE   LABEL          N        MEAN        STANDARD       MINIMUM       MAXIMUM
                                               DEVIATION       VALUE         VALUE

PST        PST            0          .             .             .             .
SIO2       SIO2          14        12.16          9.99          1.00         25.00
U          U              0          .             .             .             .
SUSS       SUSS           1      1366.00           .         1366.00       1366.00
TH         TH             0          .             .             .             .
CS         CS             0          .             .             .             .
I          I              0          .             .             .             .
SB         SB             0          .             .             .             .
ZN         ZN             0          .             .             .             .
Y          Y              0          .             .             .             .
RB         RB             0          .             .             .             .
GE         GE             0          .             .             .             .
GA         GA             0          .             .             .             .
TI         TI             0          .             .             .             .
SC         SC             0          .             .             .             .
*          *              0          .             .             .             .
CO         CO            15         0.02          0.00          0.01          0.03
V          V              0          .             .             .             .
BE         BE             0          .             .             .             .
OH         OH             0          .             .             .             .
CH         CH             0          .             .             .             .
PA         PA             0          .             .             .             .
MA         MA             0          .             .             .             .
SCN        SCN            2         0.10          0.00          0.10          0.10
TURB       TURB           0          .             .             .             .
FF         FF             1         0.34           .            0.34          0.34
TSSF       TSSF           0          .             .             .             .
R228       R228           0          .             .             .             .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                       145
                                                                     14:10 THURSDAY, JANUARY 13, 1983
                                     LOC=WW22

VARIABLE   LABEL            N         MEAN      STANDARD      MINIMUM       MAXIMUM
                                                DEVIATION      VALUE         VALUE

TALK       TALK             9        85.33         44.92        46.00        200.00
AL         AL               2         0.10          0.00         0.10          0.10
ARS        ARS              9         0.02          0.00         0.02          0.02
FCOLIF     FCOLIF           0          .             .            .             .
BA         BA               2         0.50          0.00         0.50          0.50
HCO3       HCO3             9        22.44         26.06         1.00         61.00
BOD        BOD              2       150.00          0.00       150.00        150.00
B          B                9         0.13          0.07         0.10          0.30
BR         BR               0          .             .            .             .
TCOLIF     TCOLIF           0          .             .            .             .
CD         CD               2         0.05          0.06         0.01          0.10
CA         CA               9        99.41         39.37         8.70        150.00
CO3        CO3              9        51.00         48.57         1.00        160.00
CL         CL               9        43.67          8.50        28.00         55.00
CR         CR               2         0.02          0.00         0.02          0.02
COD        COD              2       430.00        395.98       150.00        710.00
CU         CU               2         0.07          0.04         0.04          0.10
DO         DO               7         3.97          1.17         2.45          6.10
DOC        DOC              8        40.25          7.44        25.00         50.00
LAS        LAS              0          .             .            .             .
F          F                9         1.23          0.32         0.70          1.60
HARD       HARD             2       700.00          0.00       700.00        700.00
FE         FE               9         4.10          0.69         3.00          5.00
KJN        KJN              9        31.67          5.77        26.00         42.00
PB         PB               2         0.02          0.01         0.02          0.03
LI         LI               2         0.20          0.00         0.20          0.20
MG         MG               9        47.78         27.58        20.00         91.00
MN         MN               9         0.11          0.09         0.02          0.20
HG         HG               2         0.00          0.00         0.00          0.00
MOLY       MOLY             2         0.01          0.00         0.01          0.01
NI         NI               2         0.15          0.07         0.10          0.20
NO3        NO3              9         0.50          0.00         0.50          0.50
OLGR       OLGR             2         5.50          6.36         1.00         10.00
S2O3       S2O3             0          .             .            .             .
PH         PH               9                                    5.56          9.65
K          K                9        25.89          8.28        17.00         41.00
RA         RA               0          .             .            .             .
BTR        BTR              0          .             .            .             .
RR         RR               0          .             .            .             .
SE         SE               2         0.01          0.00         0.01          0.01
AG         AG               2         0.01          0.00         0.01          0.01
NA         NA               9       196.67         31.62       170.00        250.00
TDS        TDS              9      1210.00        336.97       940.00       1800.00
SOLS       SOLS             0          .             .            .             .
SPC        SPC              9      1505.56        268.43      1050.00       1900.00
SR         SR               2         2.40          2.69         0.50          4.30
SO4        SO4              2      1500.00        424.26      1200.00       1800.00
TEMP       TEMP             3        13.67          4.04        10.00         18.00
ZN         ZN               2         0.02          0.00         0.02          0.02
TOC        TOC              0          .             .            .             .
PHEN       PHEN             2         0.13          0.09         0.07          0.20
CYAN       CYAN             0          .             .            .             .
NH3        NH3              9        19.47          8.91         0.20         29.00
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                            146
                                                                 14:10 THURSDAY, JANUARY 13, 1983
                                     LOC=##22

VARIABLE    LABEL              N          MEAN        STANDARD        MINIMUM        MAXIMUM
                                                     DEVIATION         VALUE          VALUE

PST         PST                0            .             .              .              .
SIO2        SIO2               7          1.00          0.00           1.00           1.00
U           U                  0            .             .              .              .
SUSS        SUSS               0            .             .              .              .
TH          TH                 0            .             .              .              .
CS          CS                 0            .             .              .              .
I           I                  0            .             .              .              .
SB          SB                 0            .             .              .              .
ZR          ZR                 0            .             .              .              .
Y           Y                  0            .             .              .              .
RB          RB                 0            .             .              .              .
GE          GE                 0            .             .              .              .
GA          GA                 0            .             .              .              .
TI          TI                 0            .             .              .              .
SC          SC                 0            .             .              .              .
W           W                  0            .             .              .              .
CO          CO                 0            .             .              .              .
V           V                  0            .             .              .              .
BE          BE                 0            .             .              .              .
OH          OH                 0            .             .              .              .
CH          CH                 0            .             .              .              .
PA          PA                 0            .             .              .              .
MA          MA                 0            .             .              .              .
SCN         SCN                2          1.00          0.00           1.00           1.00
TURB        TURB               0            .             .              .              .
FF          FF                 1          1.14            .            1.14           1.14
TSSF        TSSF               0            .             .              .              .
R228        R228               0            .             .              .              .
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                  147
                                                                       14:10 THURSDAY, JANUARY 13, 1983
                                         LOC=WW32

VARIABLE   LABEL          N        MEAN       STANDARD      MINIMUM       MAXIMUM
                                              DEVIATION      VALUE         VALUE

TALK       TALK           5      320.80        34.11        300.00        380.00
AL         AL             2        0.30         0.28          0.10          0.50
ARS        ARS            5        0.02         0.00          0.02          0.02
FCOLIF     FCOLIF         0          .            .             .             .
BA         BA             2        0.50         0.00          0.50          0.50
HCO3       HCO3           5      314.80        33.99        280.00        370.00
BOD        BOD            1      150.00          .          150.00        150.00
B          B              5        0.10         0.00          0.10          0.10
BR         BR             2        0.40         0.14          0.30          0.50
TCOLIF     TCOLIF         0          .            .             .             .
CD         CD             0          .            .             .             .
CA         CA             5       82.40         4.83         75.00         86.00
CO3        CO3            3        7.67        10.69          1.00         20.00
CL         CL             5       49.20         3.77         46.00         55.00
CR         CR             2        0.02         0.00          0.02          0.02
COD        COD            2       30.00        28.28         10.00         50.00
CU         CU             2        0.02         0.00          0.02          0.02
DO         DO             2        4.89         0.32          4.67          5.12
DOC        DOC            5       10.00        11.79          1.00         30.00
LAS        LAS            0          .            .             .             .
F          F              5        0.14         0.05          0.10          0.20
HARD       HARD           2      415.00        35.36        390.00        440.00
FE         FE             5        0.20         0.39          0.02          0.90
KJN        KJN            4        0.43         0.29          0.10          0.80
PB         PB             2        0.02         0.01          0.02          0.03
LI         LI             2        0.05         0.00          0.05          0.05
MG         MG             5       55.20         3.56         50.00         59.00
MN         MN             5        0.03         0.02          0.02          0.06
HG         HG             2        0.00         0.00          0.00          0.00
MOLY       MOLY           2        0.01         0.00          0.01          0.01
NI         NI             1        0.06          .            0.06          0.06
NO3        NO3            5       24.00         4.18         20.00         29.00
OLGR       OLGR           2       10.00         0.00         10.00         10.00
S2O3       S2O3           0          .            .             .             .
PH         PH             4                                   7.01          7.60
K          K              5        1.84         0.18          1.60          2.10
RA         RA             2        4.50         3.54          2.00          7.00
BTR        BTR            2        6.50         0.71          6.00          7.00
RR         RR             1        0.60          .            0.60          0.60
SE         SE             2        0.01         0.00          0.01          0.01
AG         AG             1        0.01          .            0.01          0.01
NA         NA             5      128.00         8.37        120.00        140.00
TDS        TDS            5      742.00       114.54        540.00        810.00
SOLS       SOLS           0          .            .             .             .
SPC        SPC            4     1107.00        62.11       1010.00       1180.00
SR         SR             2        1.45         1.34          0.50          2.40
SO4        SO4            2      255.00         7.07        250.00        260.00
TEMP       TEMP           1       10.00          .           10.00         10.00
ZN         ZN             2        0.16         0.19          0.03          0.30
TOC        TOC            0          .            .             .             .
PHEN       PHEN           2        0.03         0.04          0.00          0.05
CYAN       CYAN           1        0.00          .            0.00          0.00
NH3        NH3            5        0.27         0.27          0.04          0.70
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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                       148
                                                              14:10 THURSDAY, JANUARY 13, 1983
                                   LOC=WW32

VARIABLE   LABEL           N        MEAN       STANDARD      MINIMUM      MAXIMUM
                                               DEVIATION      VALUE        VALUE

PST        PST             0          .            .            .            .
SIO2       SIO2            4        19.50         0.58        19.00        20.00
U          U               1         0.01          .           0.01         0.01
SUSS       SUSS            0          .            .            .            .
TH         TH              0          .            .            .            .
CS         CS              0          .            .            .            .
I          I               0          .            .            .            .
SB         SB              0          .            .            .            .
ZR         ZR              0          .            .            .            .
Y          Y               0          .            .            .            .
RB         RB              0          .            .            .            .
GE         GE              0          .            .            .            .
GA         GA              0          .            .            .            .
TI         TI              0          .            .            .            .
SC         SC              0          .            .            .            .
W          W               0          .            .            .            .
CO         CO              0          .            .            .            .
V          V               0          .            .            .            .
BE         BE              0          .            .            .            .
OH         OH              0          .            .            .            .
CH         CH              0          .            .            .            .
PA         PA              0          .            .            .            .
MA         MA              0          .            .            .            .
SCN        SCN             0          .            .            .            .
TURB       TURB            0          .            .            .            .
FF         FF              0          .            .            .            .
TSSF       TSSF            0          .            .            .            .
R228       R228            1         0.80          .           0.80         0.80
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SHAFT AND
MINE WATER

2.2.2.7 Shaft and Mine Water

Water samples were not taken for analysis during this report period (June through December 1982) at the shafts.

The RAMIS data base shaft water file was scanned for errors which may have been entered and corrections were made. These values are correct to the best of our knowledge.

Data tables of water samples taken since 1979 from the three shafts are presented in the Water Quality Assurance Section 2.2.4. Refer to the list of tables in the Assurance section for easy reference of these data tables.

SHALE DUMPS

2.2.2.8 Shale Dumps

Refer to section 2.2.1.8 for data results of field measurements sampled from the lysimeters at the shale pile.

SEDIMENTS

2.2.2.9 Sediments

Stream bed sediments were sampled to obtain sediment characterizations on September 2, 1982 at four sites on the C-b Tract. A memo discussing location of samples taken and activities conducted is presented in this section.

UNITED STATES GOVERNMENT

memorandum

DATE: September 14, 1982

REPLY TO ATTN OF: Glen Miller, Mike Deneen

SUBJECT: Initial sampling for sediment characterization, C-a and C-b

TO: OSO Files, Briant Kimball

On September 2, 1982, four sites on tracts C-b and three sites on tract C-a were sampled for sediment characterization. Field replicates were taken at each site. The following personnel were present:

Briant Kimball, Bob Tobin	USGS-WRD, Colorado District
Vic Janzer, Jerry Leenheer	USGS-WRD, Central Region
Nick Stellavato	Occidental (C-b), Grand Junction
Swain Munson	VTN (Consultant to U-a/U-b, G. Jct.
Glen Miller, Mike Deneen	MMS-OSO, Grand Junction

Topographic map sections of the sample sites are attached, as well as field sketches of the individual sample sites. The sampled sites are described below. The Lat-Long is in relation to published Lat-Long at station sites.

Tract C-a:

1. Corral Gulch, 100± meter reach above Station 235. Elevation 6990±. Lat. 39°54'21", Long. 108°31'59". Flowing, G. H. chart 1.65 apx. 1/4 CFS, EC 980 umhos @ 24.5°C. Bankfull width, 12'. Black muds at shallow depths. Upstream station for tract C-a.

2. Corral Gulch, 100± meter reach above Station 242. Elevation 6570±. Lat. 39°55'12", Long. 108°28'18". Flowing, G. H. outside 1.35 = 0.85 CFS (Box Elder 12" flume G.H. 0.26, EC 1000 @ 14°C, pH 7; Corral Gulch 3" flume G.H. 0.10, EC 1350 @ 19°C, pH 7.5-8). EC at sample site 1050 @ 13.5°C. Bank full width 23'. Downstream site for tract C-a.

3. "Rinky-Dink" Gulch (tributary to Box Elder Gulch), 100± meter reach beginning 50' above C-a injection pipeline crossing, approximately 500' upstream from Station 241. Elevation 6670'±, Lat. 39°54'45", Long. 108°29'09". No flow. Bank full width 23'. Control site for tract C-a.

Tract C-b.

1. Piceance Creek, 100± meter reach above road crossing at Station 007. Elevation 6370'±. Lat. 39°49'32", Long. 108°10'56". Flowing, G.H. = 2.57, = 9.2 CFS, EC 720 umhos @ 14°C. Bank full width 23'. Upstream site for Tract C-b.

2. Piceance Creek, 100± meter reach above bridge at Station 061. Elevation 6190'±. Lat. 39°51'02", Long. 108°15'29". Flowing, G.H. 1.85 = 13.3 CFS. EC 1100 umhos @ 20°C, pH 7.5. Almost all sediment is black in this reach. Bank full width 21'. Downstream site for Tract C-b.

OPTIONAL FORM NO. 10
(REV. 1-80)
GSA FPMR (41 CFR) 101-11.6
5010-114

3. Little Gardenhire Gulch, 100± meter reach above Station 042. Elevation 6360±. Lat. 39°49'58", Long. 108°13'12". Flowing mine water at 0.49 CFS, discharge from C-b mine, bubble gage height 1.38, flume G.H. 0.19. EC from "mini-monitor" 1870, T. 25.5°C. Bank full width 3.3' (channel scoured aby clear discharge water). Site drains almost all lessee activities at C-b.

4. Sorghum Gulch, 100± meter reach beginning 75± meters above road crossing at gage 033. Elevation 6840'±. Lat. 39°47'05", Long. 108°12'33". No flow. Bank full width 8'. Control site for tract C-b.

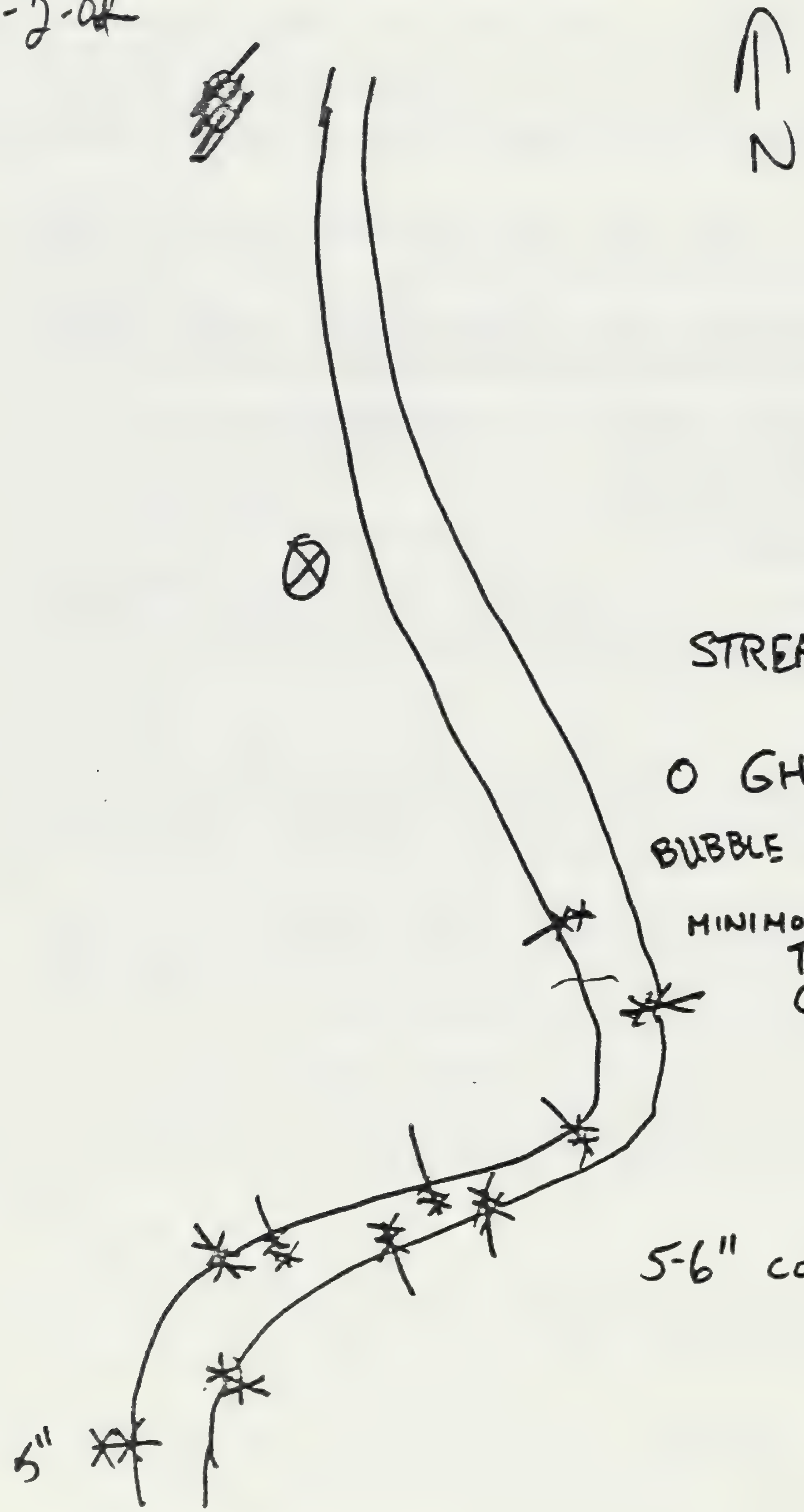
Briant Kimball will perform several analyses on the samples, including grain size distribution, mineralogy, leachate chemistry, and geochemistry.

Plan is to sample U-a/U-b tracts during the week of September 13.

cc: Bob Tobin, WRD-Meeker
Butch Slawson, C-a
Nick Stellavato, C-b
Bob Thomason, C-b

#5112 - 09306042

9-2-88



STREAM WIDTH
3.3 FT

O GHT .19

BUBBLE GAGE 1.38

MINIMONITOR

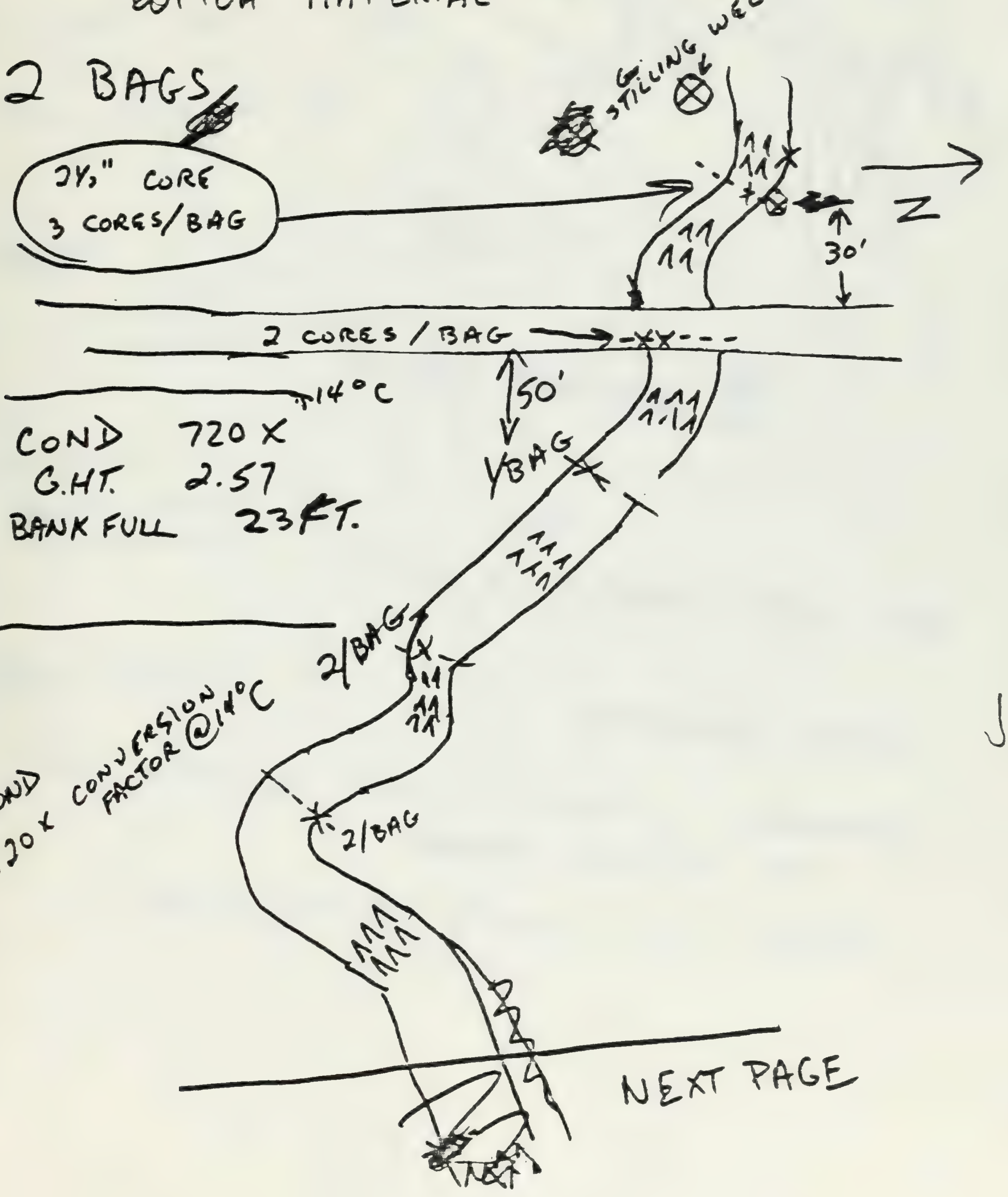
T	25.5	1510
C	1870	2187

5-6" CORE/SITE/BAG

9-2-82

04306007 SEDIMENT SAMPLE
BOTTOM MATERIAL

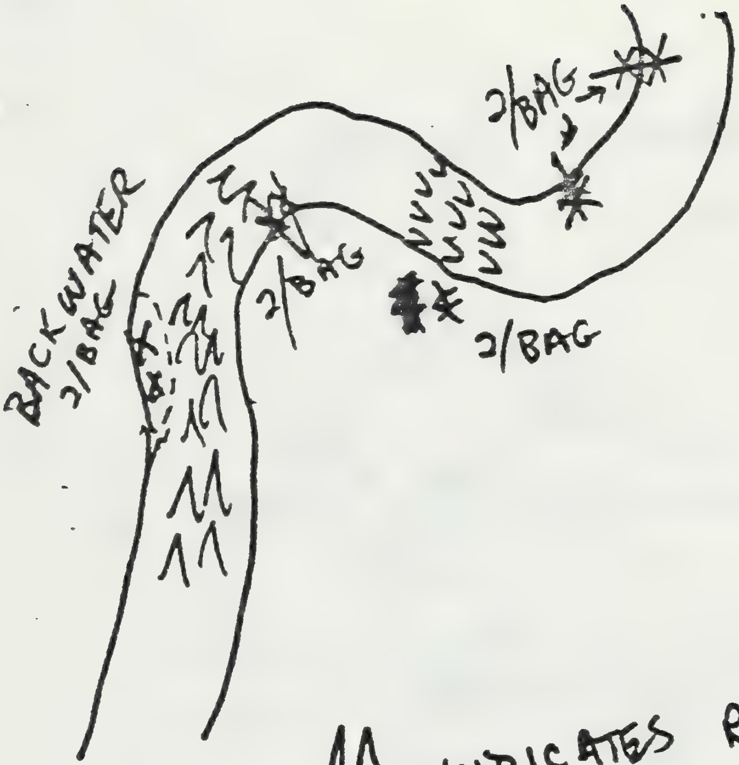
2 BAGS


2½" CORE
3 CORES/BAG
STILLING WELL
Z
30'
2 CORES / BAG
50'
1/BAG
2/BAG
2/BAG
NEXT

14°C
COND 720 X
G.HT. 2.57
BANK FULL 23 FT.

COND
720 X CONVERSION FACTOR @14°C

NEXT PAGE


BACKWATER
2/BAG
2/BAG
2/BAG
2/BAG

ΛΛ INDICATES RIFFLE

ALL CORE SAMPLE ≃ TOP 2"

100M STRETCH

~~CORE~~ 1 MORE CORE TO EACH BAG

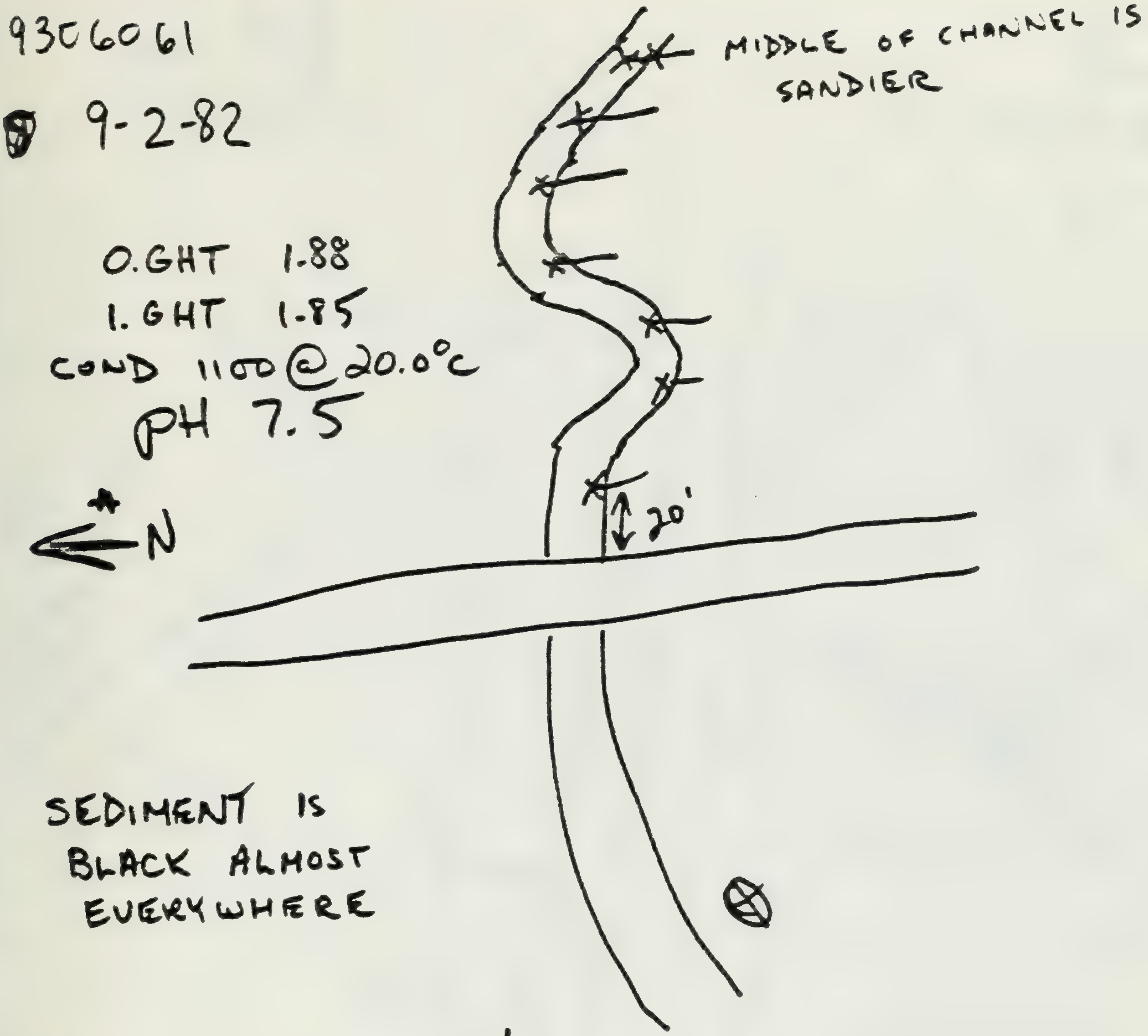
ON RETURN ~~[illegible]~~

TOTAL ≃ 6" CORE/SITE/BAG

09306061

9-2-82

O.GHT 1.88
I.GHT 1.85
COND 1100 @ 20.0°C
PH 7.5


MIDDLE OF CHANNEL IS SANDIER
20'
N

SEDIMENT IS
BLACK ALMOST
EVERYWHERE

BANKFULL 21'

SORGHUM

~~COTTONWOOD~~

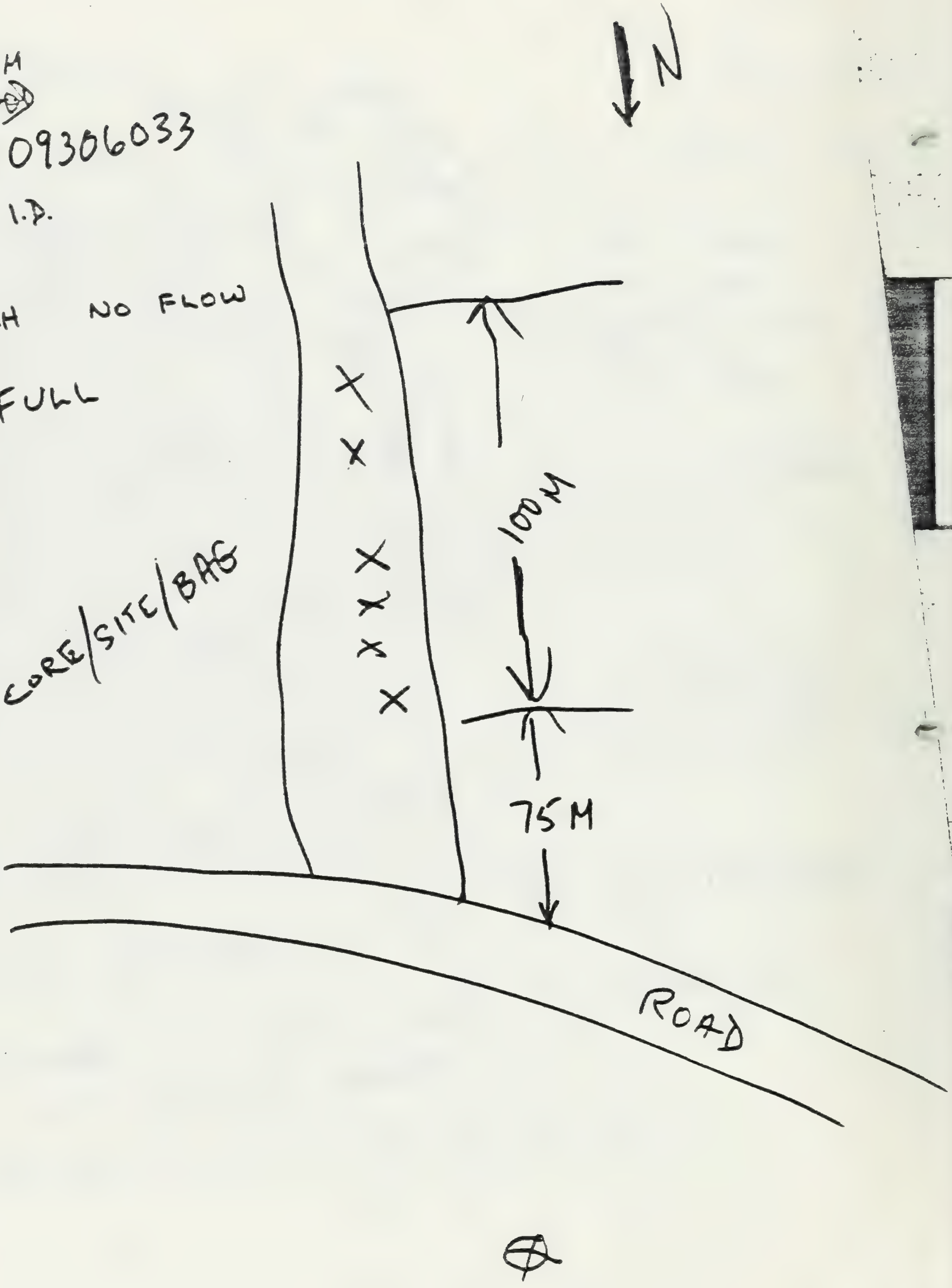
~~0960~~ 09306033

STATION I.D.

DRY WASH NO FLOW

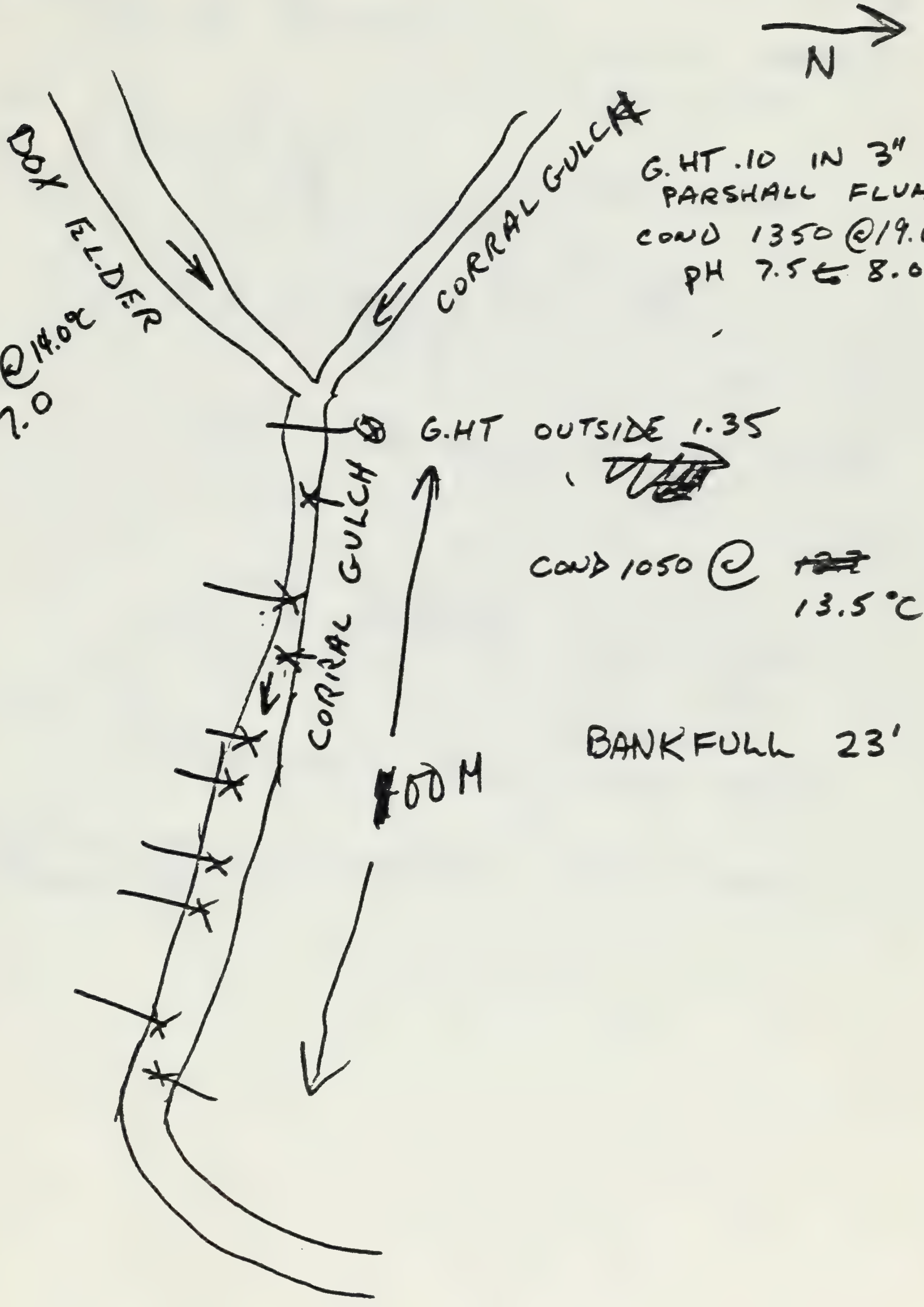
BANK FULL
8'

○ ~6" CORE/SITE/BAG


N
X
X
X
X
X
X
100M
75M
ROAD

STA I.D.
09306242

DATE
9-2-82


N
BOX ELDER
CORRAL GULCH
CORRAL GULCH
100M

GHT .26
IN 12"
PARSHALL
FLUME
COND 1000 @ 14.0°C
PH 7.0

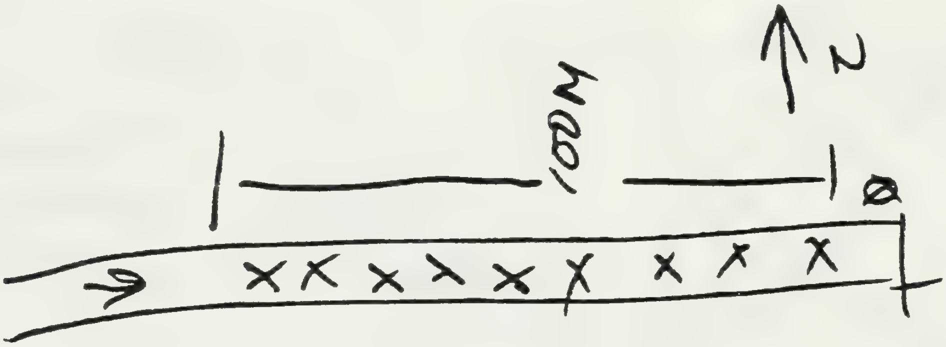
G.HT .10 IN 3"
PARSHALL FLUME
COND 1350 @ 19.0°C
PH 7.5 ← 8.0

G.HT OUTSIDE 1.35

COND 1050 @ 13.5°C

BANKFULL 23'

9-2-82
09306235
CORRAL GULCH BL WATER GULCH



GHT STRIPCHART 1.65

COND 980 @ 24.5°C
pH 8.0
BANKFULL 12'
BLACK MUD VERY SHALLOW

SWIFT FLOW TROUGH ENTIRE LIENGTH

9-2-82

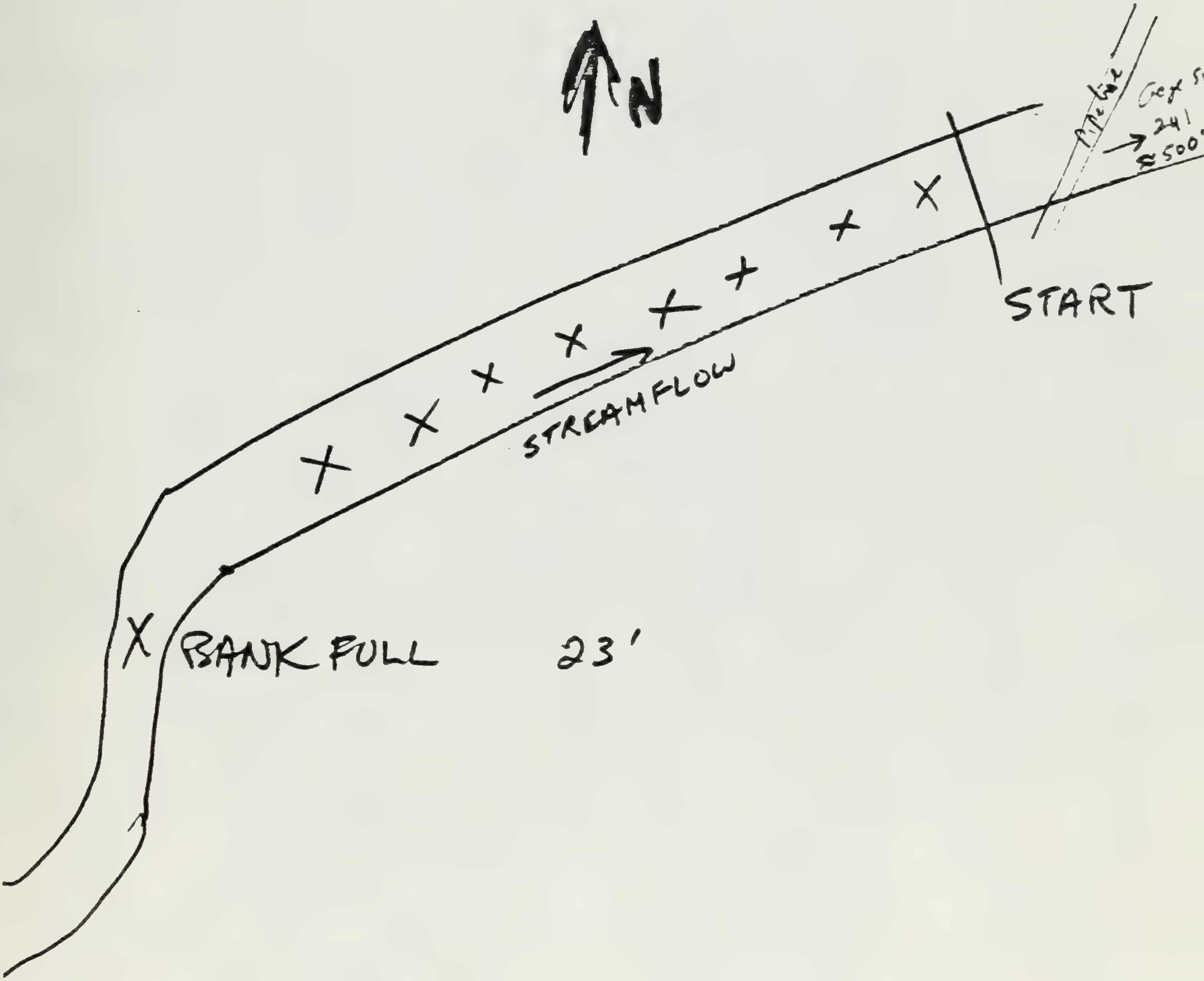
DRY WASH RINKY DINK

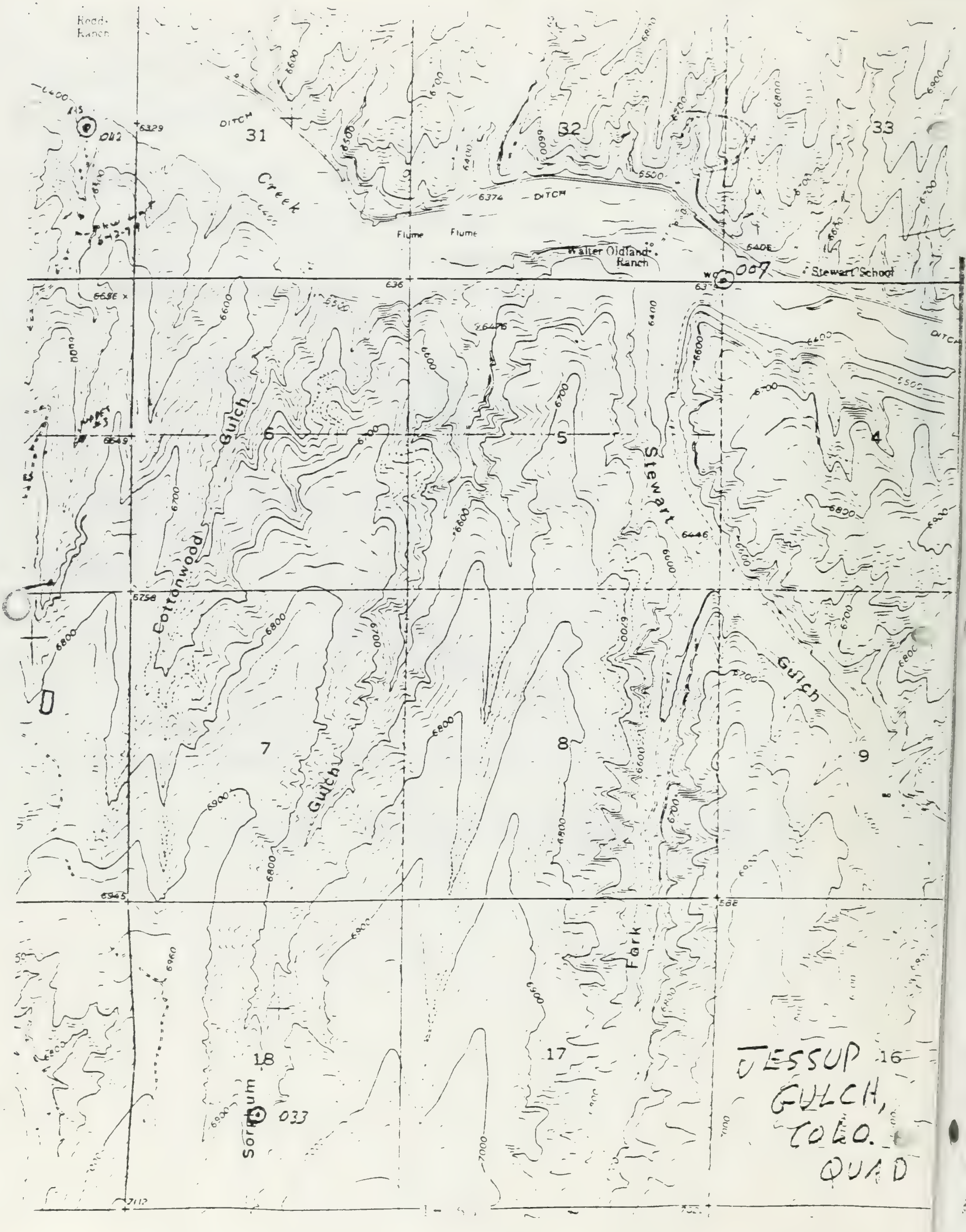
START

50' U.S. INJ. PIPELINE CROSSING

.70 MI ABOVE GAGE

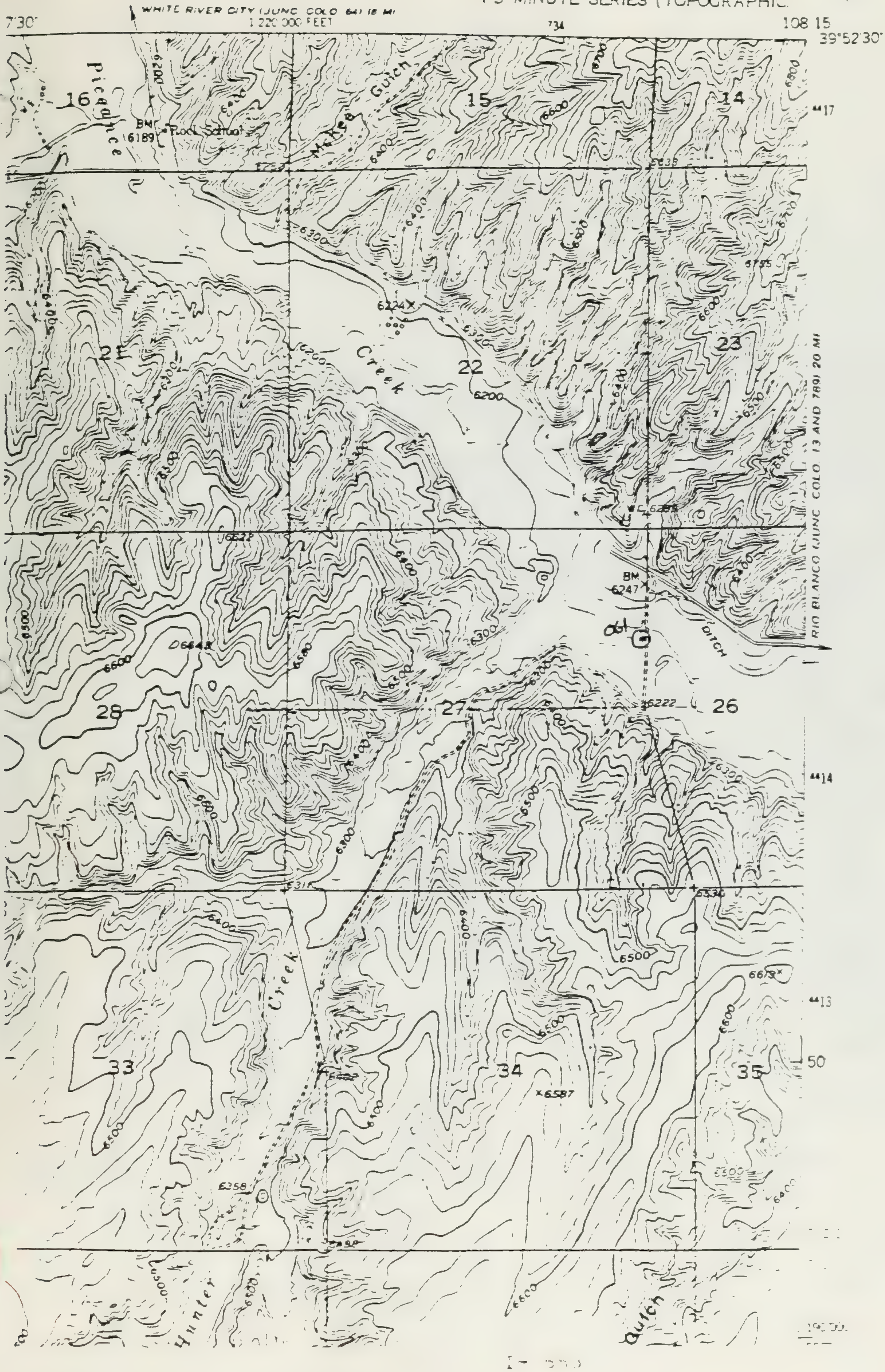
BIASED TOWARD FINE GRAINED MATERIAL

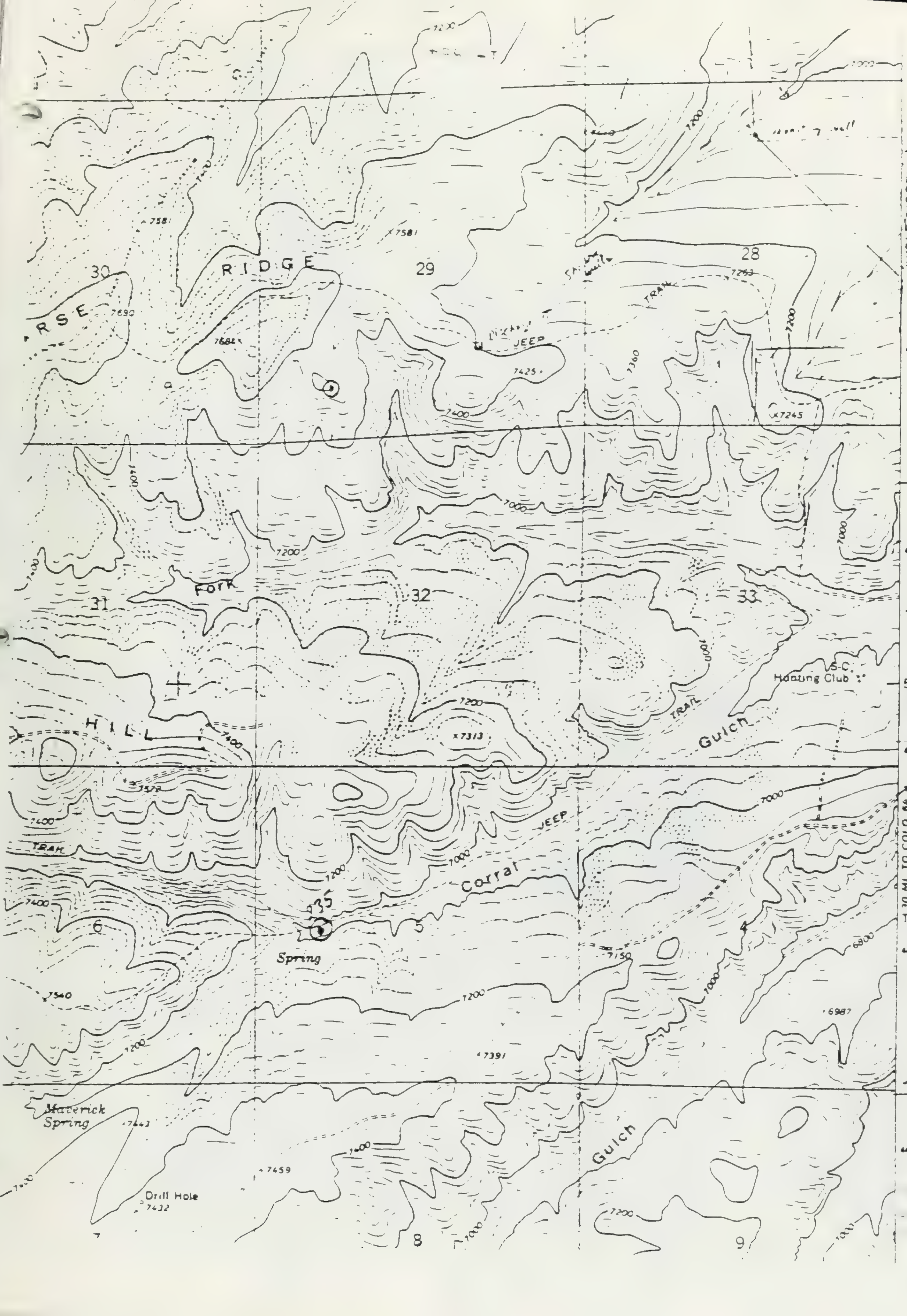

N
Pipeline
Gage S
241
≈500'
START
STREAMFLOW
X BANK FULL 23'


Reed Ranch
6400
6329
31
DITCH
Creek
32
33
6374
DITCH
6500
Flume
Flume
Walter Oldland Ranch
6405
007
Stewart School
042
636
6400
6600
6500
6700
6649
6
5
4
Gulch
Cottonwood
Stewart
6446
6800
6700
6756
Gulch
7
8
9
Gulch
6900
6800
6945
588
Fork
6960
18
17
16
Sorghum
033
7000
7112

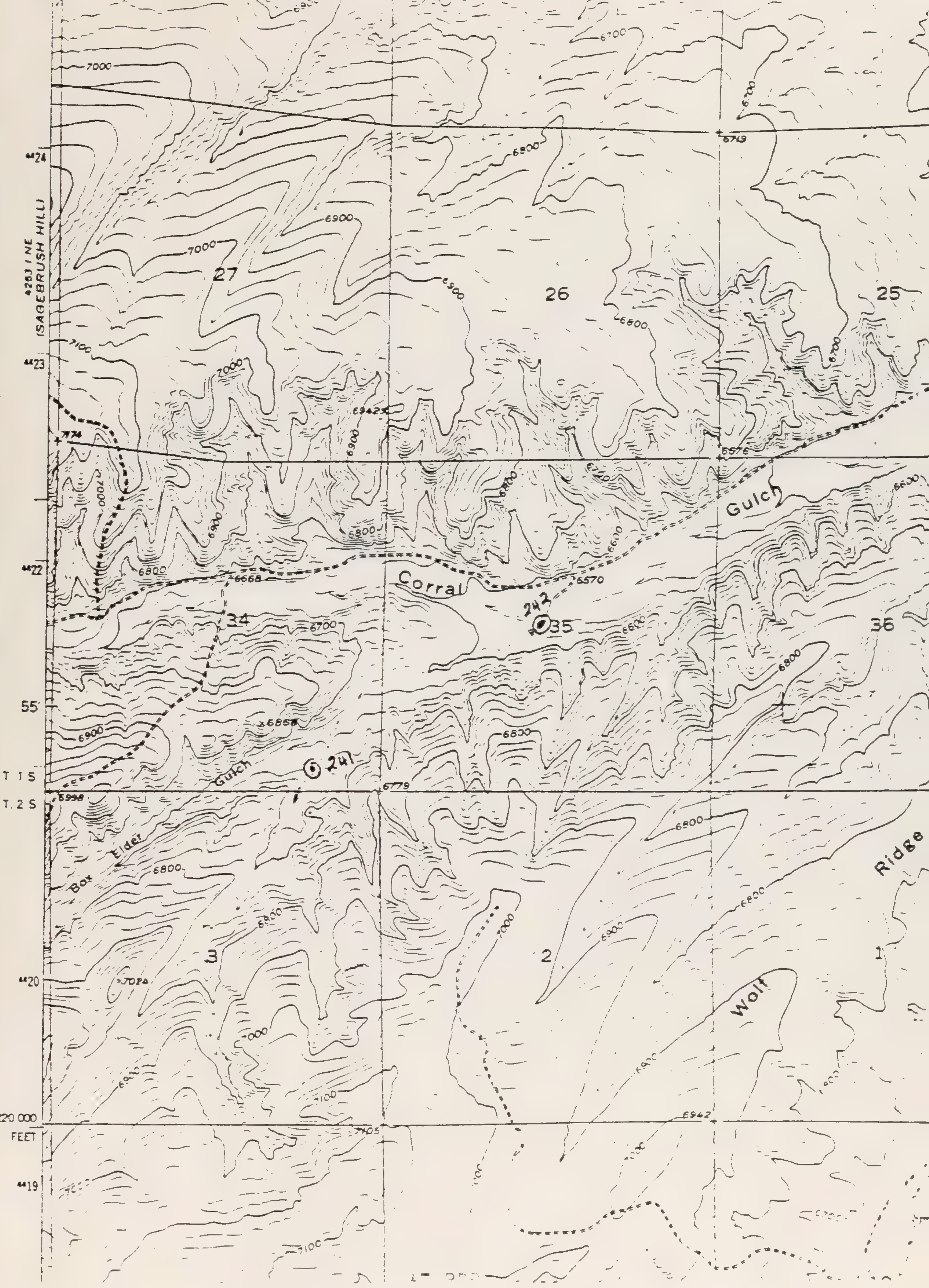
JESSUP GULCH, COLO. QUAD

COLORADO-RIO BLANCO CO
7.5 MINUTE SERIES (TOPOGRAPHIC)


WHITE RIVER CITY (JUNC COLO 64) 18 MI
7'30"
1 220 000 FEET
734
108 15
39°52'30"
4417
Piceance
16
BM 6189
Rock School
McKee Gulch
15
14
6300
6224
Creek
21
22
23
6200
BM 6247
DITCH
RIO BLANCO (JUNC COLO 13 AND 789) 20 MI
28
6644
27
26
6222
4414
6334
6500
6673
4413
50
33
34
35
6587
6258
Creek
Hunter
Gulch
6600


RIDGE
RSE
30
29
28
HILL
Fork
31
32
33
Corral
JEEP
TRAIL
TRAM
Gulch
Spring
5
6
8
9
x7581
x7313
x7245
7425
7684
7690
7391
7459
7443
7432
6987
7540
7572
7253
7360
7200
7400
7000
6800
7150
Maverick Spring
Drill Hole
S-C Hunting Club
T 1 S
T 2 S
30 MI TO COLO 64
(WOLF RIDGE) 4363 IV NW
4419
4420
4421
55'
4422
4423
4424
335

WOLF RIDGE, COLO QUAD.


4263 I NE
(SAGEBRUSH HILL)
4424
4423
4422
55'
4420
4419
220 000
FEET
T 1 S
T. 2 S
27
26
25
34
35
36
3
2
1
Corral
Gulch
Box Elder
Gulch
Wolf
Ridge
242
241
7000
7100
6900
6800
6700
6600
6743
6576
6942
7174
6668
6570
6868
6779
6998
7024
7105
6942

2.2.3 Supplemental Water Data - Analyses

Statistics tables of mean, minimum and maximum values for one sample taken at two Uintah Zone wells (WC17 and WC91) and one composite well (WV37) are presented in this section. A column for standard deviation is located on these tables but calculations were not run since there was only one data point. Data tables of these samples are presented in the Water Quality Assurance Section 2.2.4. Screening of the water file was conducted to correct any values which were entered incorrectly. Refer to the list of tables in the Assurance section for finding specific data tables.

```
                    5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                   27
                                                                                     14:10 THURSDAY, JANUARY 13, 1983
                                                   LOC=WC17

VARIABLE    LABEL         N        MEAN         STANDARD       MINIMUM        MAXIMUM
                                                DEVIATION       VALUE          VALUE

TALK        TALK          1       100.00            .          100.00         100.00
AL          AL            1         0.10            .            0.10           0.10
ARS         ARS           1         0.02            .            0.02           0.02
FCOLIF      FCOLIF        0          .              .             .              .
BA          BA            1         0.50            .            0.50           0.50
HCO3        HCO3          1        60.00            .           60.00          60.00
BOD         BOD           1       150.00            .          150.00         150.00
B           B             1         0.20            .            0.20           0.20
BR          BR            1         0.10            .            0.10           0.10
TCOLIF      TCOLIF        0          .              .             .              .
CD          CD            0          .              .             .              .
CA          CA            1        30.00            .           30.00          30.00
CO3         CO3           1        42.00            .           42.00          42.00
CL          CL            1       120.00            .          120.00         120.00
CR          CR            1         0.02            .            0.02           0.02
COD         COD           1       120.00            .          120.00         120.00
CU          CU            1         0.02            .            0.02           0.02
DO          DO            1         0.15            .            0.15           0.15
DOC         DOC           1        24.00            .           24.00          24.00
LAS         LAS           0          .              .             .              .
F           F             1         0.70            .            0.70           0.70
HARD        HARD          1       130.00            .          130.00         130.00
FE          FE            1         0.02            .            0.02           0.02
KJN         KJN           1         3.30            .            3.30           3.30
PB          PB            1         0.02            .            0.02           0.02
LI          LI            1         0.06            .            0.06           0.06
MG          MG            1        13.00            .           13.00          13.00
MN          MN            1         0.02            .            0.02           0.02
HG          HG            1         0.00            .            0.00           0.00
MOLY        MOLY          1         0.04            .            0.04           0.04
NI          NI            1         0.02            .            0.02           0.02
NO3         NO3           1         0.50            .            0.50           0.50
OLGR        OLGR          1        10.00            .           10.00          10.00
S2O3        S2O3          0          .              .             .              .
PH          PH            1                         .            9.42           9.42
K           K             1         7.90            .            7.90           7.90
RA          RA            0          .              .             .              .
BTR         BTR           0          .              .             .              .
RR          RR            0          .              .             .              .
SE          SE            1         0.01            .            0.01           0.01
AG          AG            1         0.01            .            0.01           0.01
NA          NA            1       160.00            .          160.00         160.00
TDS         TDS           1       640.00            .          640.00         640.00
SOLS        SOLS          0          .              .             .              .
SPC         SPC           1      1260.00            .         1260.00        1260.00
SR          SR            1         3.20            .            3.20           3.20
SO4         SO4           1       240.00            .          240.00         240.00
TEMP        TEMP          1        25.00            .           25.00          25.00
ZN          ZN            1         0.02            .            0.02           0.02
TOC         TOC           0          .              .             .              .
PHEN        PHEN          1         0.08            .            0.08           0.08
CYAN        CYAN          0          .              .             .              .
NH3         NH3           1         2.20            .            2.20           2.20
```

```
5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                              28
                                                                     14:10 THURSDAY, JANUARY 13, 1983
                                      LOC=WC17

VARIABLE  LABEL          N       MEAN       STANDARD     MINIMUM     MAXIMUM
                                            DEVIATION     VALUE       VALUE

PST       PST            0        .             .           .           .
SIO2      SIO2           1      10.00           .         10.00       10.00
U         U              0        .             .           .           .
SUSS      SUSS           0        .             .           .           .
TH        TH             0        .             .           .           .
CS        CS             0        .             .           .           .
I         I              0        .             .           .           .
SB        SB             0        .             .           .           .
ZR        ZR             0        .             .           .           .
Y         Y              0        .             .           .           .
RB        RB             0        .             .           .           .
GE        GE             0        .             .           .           .
GA        GA             0        .             .           .           .
TI        TI             0        .             .           .           .
SC        SC             0        .             .           .           .
W         W              0        .             .           .           .
CO        CO             0        .             .           .           .
V         V              0        .             .           .           .
BE        BE             0        .             .           .           .
OH        OH             0        .             .           .           .
CH        CH             0        .             .           .           .
PA        PA             0        .             .           .           .
MA        MA             0        .             .           .           .
SCN       SCN            1       0.10           .          0.10        0.10
TURB      TURB           0        .             .           .           .
FF        FF             0        .             .           .           .
TSSF      TSSF           0        .             .           .           .
R228      R228           0        .             .           .           .
```

```
5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                           29
                                                                     14:10 THURSDAY, JANUARY 13, 1983
                                       LOC=WC91

VARIABLE   LABEL          N      MEAN      STANDARD     MINIMUM     MAXIMUM
                                           DEVIATION     VALUE       VALUE

TALK       TALK           1    210.00          .         210.00      210.00
AL         AL             1      0.10          .           0.10        0.10
ARS        ARS            1      0.02          .           0.02        0.02
FCOLIF     FCOLIF         0       .            .            .           .
BA         BA             1      0.50          .           0.50        0.50
HCO3       HCO3           1     40.00          .          40.00       40.00
BOD        BOD            1    150.00          .         150.00      150.00
B          B              1      0.30          .           0.30        0.30
BR         BR             1      0.10          .           0.10        0.10
TCOLIF     TCOLIF         0       .            .            .           .
CD         CD             0       .            .            .           .
CA         CA             1      8.20          .           8.20        8.20
CO3        CO3            1    170.00          .         170.00      170.00
CL         CL             1    240.00          .         240.00      240.00
CR         CR             1      0.02          .           0.02        0.02
COD        COD            1     76.00          .          76.00       76.00
CU         CU             1      0.02          .           0.02        0.02
DO         DO             1      4.46          .           4.46        4.46
DOC        DOC            1     16.00          .          16.00       16.00
LAS        LAS            0       .            .            .           .
F          F              1      0.80          .           0.80        0.80
HARD       HARD           1    150.00          .         150.00      150.00
FE         FE             1      0.50          .           0.50        0.50
KJN        KJN            1      3.40          .           3.40        3.40
PB         PB             1      0.02          .           0.02        0.02
LI         LI             1      0.30          .           0.30        0.30
MG         MG             1     32.00          .          32.00       32.00
MN         MN             1      0.02          .           0.02        0.02
HG         HG             1      0.00          .           0.00        0.00
MOLY       MOLY           1      0.03          .           0.03        0.03
NI         NI             1      0.02          .           0.02        0.02
NO3        NO3            1      0.50          .           0.50        0.50
OLGR       OLGR           1     10.00          .          10.00       10.00
S2O3       S2O3           0       .            .            .           .
PH         PH             1                                9.58        9.58
K          K              1     52.00          .          52.00       52.00
RA         RA             1      1.00          .           1.00        1.00
BTR        BTR            1      6.00          .           6.00        6.00
RR         RR             0       .            .            .           .
SE         SE             1      0.01          .           0.01        0.01
AG         AG             1      0.01          .           0.01        0.01
NA         NA             1    270.00          .         270.00      270.00
TDS        TDS            1   1000.00          .        1000.00     1000.00
SOLS       SOLS           0       .            .            .           .
SPC        SPC            1   1760.00          .        1760.00     1760.00
SR         SR             1      0.70          .           0.70        0.70
SO4        SO4            1    320.00          .         320.00      320.00
TEMP       TEMP           1     21.00          .          21.00       21.00
ZN         ZN             1      0.02          .           0.02        0.02
TOC        TOC            0       .            .            .           .
PHEN       PHEN           1      0.02          .           0.02        0.02
CYAN       CYAN           0       .            .            .           .
NH3        NH3            1      2.30          .           2.30        2.30
```

```
                    5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                30
                                                                                          14:10 THURSDAY, JANUARY 13, 1983
                                                   LOC=WC91

VARIABLE    LABEL              N         MEAN          STANDARD          MINIMUM         MAXIMUM
                                                       DEVIATION          VALUE           VALUE

PST         PST                0          .                .                .               .
SIO2        SIO2               0          .                .                .               .
U           U                  0          .                .                .               .
SUSS        SUSS               0          .                .                .               .
TH          TH                 0          .                .                .               .
CS          CS                 0          .                .                .               .
I           I                  0          .                .                .               .
SB          SB                 0          .                .                .               .
ZR          ZR                 0          .                .                .               .
Y           Y                  0          .                .                .               .
RB          RB                 0          .                .                .               .
GE          GE                 0          .                .                .               .
GA          GA                 0          .                .                .               .
TI          TI                 0          .                .                .               .
SC          SC                 0          .                .                .               .
W           W                  0          .                .                .               .
CO          CO                 0          .                .                .               .
V           V                  0          .                .                .               .
BE          BE                 0          .                .                .               .
OH          OH                 0          .                .                .               .
CH          CH                 0          .                .                .               .
PA          PA                 0          .                .                .               .
MA          MA                 0          .                .                .               .
SCN         SCN                1        0.10               .              0.10            0.10
TURB        TURB               0          .                .                .               .
FF          FF                 0          .                .                .               .
TSSF        TSSF               0          .                .                .               .
R228        R228               0          .                .                .               .
```

```
5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                                      139
                                                                         14:10 THURSDAY, JANUARY 13, 1983
                                        LOC=WV37

VARIABLE   LABEL           N         MEAN      STANDARD        MINIMUM        MAXIMUM
                                               DEVIATION         VALUE          VALUE

TALK       TALK            1       350.00          .            350.00         350.00
AL         AL              1         0.10          .              0.10           0.10
ARS        ARS             1         0.02          .              0.02           0.02
FCOLIF     FCOLIF          0          .            .               .              .
BA         BA              1         0.50          .              0.50           0.50
HCO3       HCO3            1       350.00          .            350.00         350.00
BOD        BOD             1       150.00          .            150.00         150.00
B          B               1         0.10          .              0.10           0.10
BR         BR              1         0.50          .              0.50           0.50
TCOLIF     TCOLIF          0          .            .               .              .
CD         CD              0          .            .               .              .
CA         CA              1        53.00          .             53.00          53.00
CO3        CO3             1         1.00          .              1.00           1.00
CL         CL              1         7.20          .              7.20           7.20
CR         CR              1         0.02          .              0.02           0.02
COD        COD             1       115.00          .            115.00         115.00
CU         CU              1         0.02          .              0.02           0.02
DO         DO              1         2.86          .              2.86           2.86
DOC        DOC             1         2.00          .              2.00           2.00
LAS        LAS             0          .            .               .              .
F          F               1         0.70          .              0.70           0.70
HARD       HARD            1       300.00          .            300.00         300.00
FE         FE              1         0.06          .              0.06           0.06
KJN        KJN             1         0.30          .              0.30           0.30
PB         PB              1         0.02          .              0.02           0.02
LI         LI              1         0.05          .              0.05           0.05
MG         MG              1        40.00          .             40.00          40.00
MN         MN              1         0.08          .              0.08           0.08
HG         HG              1         0.00          .              0.00           0.00
MOLY       MOLY            1         0.01          .              0.01           0.01
NI         NI              1         0.10          .              0.10           0.10
NO3        NO3             1         0.50          .              0.50           0.50
OLGR       OLGR            1         5.00          .              5.00           5.00
S2O3       S2O3            0          .            .               .              .
PH         PH              1                                      8.04           8.04
K          K               1         0.50          .              0.50           0.50
RA         RA              0          .            .               .              .
BTR        BTR             0          .            .               .              .
RR         RR              0          .            .               .              .
SE         SE              1         0.01          .              0.01           0.01
AG         AG              1         0.01          .              0.01           0.01
NA         NA              1       210.00          .            210.00         210.00
TDS        TDS             1        90.00          .             90.00          90.00
SOLS       SOLS            0          .            .               .              .
SPC        SPC             1      1200.00          .           1200.00        1200.00
SR         SR              1        11.00          .             11.00          11.00
SO4        SO4             1       440.00          .            440.00         440.00
TEMP       TEMP            1        25.00          .             25.00          25.00
ZN         ZN              1         0.02          .              0.02           0.02
TOC        TOC             0          .            .               .              .
PHEN       PHEN            1         0.00          .              0.00           0.00
CYAN       CYAN            0          .            .               .              .
NH3        NH3             1         0.30          .              0.30           0.30
```

```
5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)                          140
                                                              14:10 THURSDAY, JANUARY 13, 1983
                                  LOC=WV37

VARIABLE   LABEL            N        MEAN       STANDARD       MINIMUM       MAXIMUM
                                                DEVIATION      VALUE         VALUE

PST        PST              0         .             .             .             .
SIO2       SIO2             1       17.00           .           17.00         17.00
U          U                0         .             .             .             .
SUSS       SUSS             0         .             .             .             .
TH         TH               0         .             .             .             .
CS         CS               0         .             .             .             .
I          I                0         .             .             .             .
SB         SB               0         .             .             .             .
ZR         ZR               0         .             .             .             .
Y          Y                0         .             .             .             .
RB         RB               0         .             .             .             .
GE         GE               0         .             .             .             .
GA         GA               0         .             .             .             .
TI         TI               0         .             .             .             .
SC         SC               0         .             .             .             .
W          W                0         .             .             .             .
CO         CO               0         .             .             .             .
V          V                0         .             .             .             .
BE         BE               0         .             .             .             .
OH         OH               0         .             .             .             .
CH         CH               0         .             .             .             .
PA         PA               0         .             .             .             .
MA         MA               0         .             .             .             .
SCN        SCN              1        0.10           .            0.10          0.10
TURB       TURB             0         .             .             .             .
FF         FF               0         .             .             .             .
TSSF       TSSF             0         .             .             .             .
R228       R228             0         .             .             .             .
```

WATER QUALITY
ASSURANCE

2.2.4 Water Quality Assurance

Complying with the water monitoring Quality Assurance Program implemented in 1981, an extensive review of all water lab analyses stored in the RAMIS data base water quality files were checked for incorrect values entered and changes were made, if needed. All data in these files are now correct to the best of our knowledge. Data screening is an ongoing procedure for detecting errors occurring from field sampling through data handling and reporting. Inasmuch as the first iteration of this process of screening for errors has just been completed as part of the Quality Assurance program, these tables are entered in this section, rather than in each respective section.

The list of tables which follow in this section references field and lab analyses by water type for samples taken since Baseline, November 1974 through December 1982.

Other aspects of the water quality assurance program for sampling methodology and logging, field tests, analytical methods and quality control in the laboratory, data record keeping and inspection, and outlier detection are ongoing procedures to assure that the end results of our data sampling are correct to the best of our knowledge.

The procedures formulated in the Quality Assurance Program for Hydrology are designed to comply with monitoring and analytical practices approved by the Environmental Protection Agency, the United States Geological Survey and other appropriate groups.

In conjunction with implementation of the Quality Assurance Program, the Cathedral Bluffs' Environmental Services Department carries out routine assessment inspections of the field sites to evaluate the operation of the program. These inspections have been helpful in maintaining full compliance with the quality assurance procedures, making necessary adjustments to the program, and introducing alterations suggested by the experience of the field monitoring personnel.

TABLE 2.2.4

Water Quality Assurance List of Tables

Description	Page No.
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CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
SPRINGS

SPRING	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
WS01	74	10	7.9	1300.0	
	76	5	8.3	1300.0	
		6	8.4	1200.0	
		10	8.3	1521.0	
	77	12	9.2	1300.0	20.0
	78	10	7.6	1300.0	8.5
	79	2			
		5			
		8			
		21			
	80	1			
				760.0	
		4	8.0	1330.0	18.0
		7	7.6	1480.0	21.0
		10	7.9	1440.0	17.0
	81	1	7.5	1150.0	6.5
		4	7.9	1310.0	
		10	8.5	785.0	13.3
WS02	74	10	8.0	1100.0	
	75	9	8.4	1200.0	
	76	5	8.1	1200.0	
		10	8.4	1521.0	
	78	6	8.1	1200.0	15.0
		10	7.8	1200.0	10.0
	79	2			
		5			
		8			
	80	1			
		4	7.9	1300.0	17.0
		7	7.7	1130.0	20.0
		10	7.9	1300.0	14.0
	81	1	7.6	1100.0	6.3
		4	8.0	1190.0	
		6	7.8	1080.0	15.0
		10	8.8	1020.0	12.1
WS03	74	10	7.6	1200.0	
	75	9	8.4	1400.0	

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
SPRINGS

SPRING	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
WS03	76	2	8.5	1450.0	
		4	8.3	1300.0	
		5	8.3	1300.0	
		6	8.5	1200.0	
		7	7.8	1400.0	
		8	8.5	1455.0	
		10	8.4	1559.0	
	77	12	8.2	1400.0	19.0
	78	4	8.3		17.0
		6	8.0	1350.0	16.0
		7	8.2	1250.0	13.5
		10	7.8	1400.0	10.0
	79	2			
		5			
		8			
	80	1			
		4	7.6	1440.0	18.0
		7	7.4	1260.0	18.0
		10			
	81	1	7.3	1240.0	7.5
		4	7.6	1350.0	
		10	8.4	1050.0	11.0
WS04	74	10	7.8	1100.0	
	75	9	8.4	1100.0	
	76	5	8.3	1250.0	
	78	6	8.2	1200.0	15.0
		10	8.0	1100.0	12.0
	79	2			
		5			
		8			
	80	1			
		4	7.9	1390.0	18.5
		7	7.5	1200.0	17.0
		10	7.9	1320.0	14.0
	81	1	7.5	1110.0	6.0
		4	7.9	1220.0	

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
SPRINGS

SPRING	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
WS04	81	6	7.7	1100.0	14.0
		10	8.6	1010.0	11.7
WS06	74	10	8.2	1200.0	
	75	5	7.3	1400.0	
		9	8.4	1400.0	
	76	5	8.2	1300.0	
		10	8.3	1562.0	
	77	12	7.8	1300.0	18.0
	78	6	7.7	1380.0	12.0
		10	7.8	1300.0	11.0
	79	2			
		5			
		8			
		10			
	80	1			
		4	7.1	1550.0	13.0
		7	7.4	1340.0	19.0
		10	7.2	1558.0	14.0
	81	1	7.3	1290.0	8.0
		4	6.9	1430.0	
		6	7.5	1318.0	14.0
		10	8.1	1215.0	10.9
WS07	74	10	8.1	1300.0	
	75	9	8.4	1300.0	
	76	5	8.1	1250.0	
		10	8.4	1521.0	
	77	12	8.4	1300.0	19.0
	78	4	7.9		16.0
		7	7.7	1400.0	12.0
		10	7.7	1400.0	12.0
	79	2			
		5			
		8			
	80	1			
		4	7.3	1620.0	11.5

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
SPRINGS

SPRING	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
WS07	80	4	7.9	800.0	
		7	7.3	1220.0	17.0
		10	7.5	1580.0	15.0
	81	1	7.0	1300.0	8.0
		4	7.2	1400.0	
		6	7.5	1290.0	11.0
		10	8.0	1170.0	9.1
WS08	74	10	7.9	1300.0	
	75	9	8.3	1200.0	
	76	10	8.4	1467.0	
	78	7	7.4	1320.0	15.0
	79	8			
	80	1			
		4	7.3	1450.0	11.0
		7			
	81	4	7.2	1370.0	
WS09	74	10	8.1	1200.0	
	75	9	7.8	1400.0	
	76	2	8.3	1300.0	
		4	8.3	1300.0	
		5	8.2	1200.0	
		6	8.3	1200.0	
		7	8.2	1350.0	
		8	8.3	840.0	
		9	8.4	1495.0	
		10	8.4	1505.0	
	77	12	8.2	1300.0	
	78	6	7.8	1350.0	16.0
		10	7.7	1300.0	10.0
	79	2			
		5			
		8			
	80	1			
		4	7.6	1550.0	13.0
		7	7.4	1380.0	16.0

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
SPRINGS

SPRING	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
WS09	80	10	7.4	1470.0	14.0
	81	1	7.2	1240.0	6.0
		4	7.3	1340.0	
		6	7.5	1230.0	11.0
		10	8.0	1130.0	8.8
WS10	74	10	7.9	1200.0	
	75	5	7.9	1300.0	
		9	8.3	1200.0	
	76	5	8.2	1100.0	
		6	8.4	1100.0	
		7	8.1	1250.0	
		10	8.4	1355.0	
	77	12	8.6	1300.0	
	78	6	7.9	1250.0	14.0
		10	7.6	1200.0	10.0
	79	2			
		5			
		8			
	80	1			
		4	7.6	1360.0	12.0
		7	7.5	1470.0	18.0
		10	7.5	1450.0	13.0
	81	1	7.6	1180.0	6.0
		4	7.6	1300.0	
		6	7.8	1210.0	12.0
		10	8.4	1090.0	7.8
WS11	75	5	7.4		
	80	7	7.4	1260.0	18.0
		10	6.7	1370.0	15.0
	81	1	7.6	1160.0	6.0
		4	7.5	1300.0	
		6	7.6	1210.0	11.0
		10	8.1	1080.0	8.3
WS12	80	7	7.5	1300.0	18.0
		10	7.7	1470.0	16.0
	81	1	7.3	1340.0	8.0
		4	7.8	1500.0	

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
SPRINGS

SPRING	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
WS12	81	6	7.8	1420.0	14.0
		10	8.2	1220.0	14.3
WS36	80	4	8.1	1490.0	19.5
		7	7.8	1270.0	18.0
		10	8.1	1420.0	14.0
	81	1	7.6	1240.0	8.5
		4	8.1	1280.0	
		6	8.1	1190.0	14.0
		10	8.6	1060.0	12.0
WS66	80	7	7.6	1360.0	23.0

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
SPRINGS

SPRING	YR	MO	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
WS01	74	10			
	76	5			
		6			
		10			
	77	12	6.0		
	78	10	6.0		
	79	2			
		5			
		8			
		21			
	80	1			
		4	7.6		
		7	6.4		
		10	8.1		
	81	1	11.0		
		4	7.9		
		10	4.4		
WS02	74	10			
	75	9			
	76	5			
		10			
	78	6	6.1		
		10	7.0		
	79	2			
		5			
		8			
	80	1			
		4	8.0		
		7	7.4		
		10	8.2		
	81	1	10.3		
		4	6.7		
		6	7.9		
		10	3.4		
WS03	74	10			

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
SPRINGS

SPRING	YR	MO	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
WS03	75	9			
	76	2			
		4			
		5			
		6			
		7			
		8			
		10			
	77	12	7.2		
	78	4	9.4		
		6	8.6		
		7	7.5		
		10	6.0		
	79	2			
		5			
		8			
	80	1			
		4	7.3		
		7	7.8		
		10			
	81	1	9.5		
		4	7.7		
		10	3.1		
WS04	74	10			
	75	9			
	76	5			
	78	6	7.5		
		10	5.0		
	79	2			
		5			
		8			
	80	1			
		4	7.6		
		7	7.3		
		10	7.7		

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
SPRINGS

SPRING	YR	MO	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
WS04	81	1	11.4		
		4	6.9		
		6	7.9		
		10	3.0		
WS06	74	10			
	75	5			
		9			
	76	5			
		10			
	77	12	7.5		
	78	6	4.2		
		10	5.0		
	79	2			
		5			
		8			
		10			
	80	1			
		4	6.7		
		7	6.9		
		10	6.3		
	81	1	9.6		
		4	6.5		
		6	6.7		
		10	4.0		
WS07	74	10			
	75	9			
	76	5			
		10			
	77	12	9.0		
	78	4	8.3		
		7	5.5		
		10	5.0		
	79	2			
		5			
		8			
	80	1			

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
SPRINGS

SPRING	YR	MO	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
WS07	80	1			
		4	7.7		
		7	7.4		
		10	5.8		
	81	1	9.2		
		4	6.6		
		6	6.3		
		10	2.8		
WS08	74	10			
	75	9			
	76	10			
	78	7	6.2		
	79	8			
	80	1			
		4	7.5		
		7			
	81	4	6.4		
WS09	74	10			
	75	9			
	76	2			
		4			
		5			
		6			
		7			
		8			
		9			
		10			
	77	12	6.1		
	78	6	7.0		
		10	5.0		
	79	2			
		5			
		8			
	80	1			

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
SPRINGS

SPRING	YR	MO	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
WS09	80	1			
		4	7.4		
		7	7.5		
		10	6.1		
	81	1	9.4		
		4	6.5		
		6	6.5		
		10	2.8		
WS10	74	10			
	75	5			
		9			
	76	5			
		6			
		7			
		10			
	77	12	5.2		
	78	6	11.2		
		10	3.0		
	79	2			
		5			
		8			
	80	1			
		4	8.5		
		7	7.4		
		10	6.4		
	81	1	8.9		
		4	7.4		
		6	8.4		
		10	3.3		
WS11	75	5			
	80	7	7.8		
		10	6.9		
	81	1	9.8		
		4	6.6		
		6	8.0		
		10	3.3		

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
SPRINGS

SPRING	YR	MO	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
WS12	80	7	7.5		
		10	7.2		
	81	1	9.4		
		4	7.4		
		6	9.0		
		10	2.8		
WS36	80	4	7.7		
		7	7.7		
		10	8.4		
	81	1	10.4		
		4	7.2		
		6	8.8		
		10	3.2		
WS66	80	7	7.5		

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
W501	74	10		.060	.100	.003	.02	520.0	-.1	.020		200.0	57.0	100.0
	76	5		.020		.001	.02	454.0	2.0	.010		123.0	77.0	81.0
		6			.240	.001		345.0	7.2			122.0	62.0	40.0
		10		.500	-.100	.010	.09	470.0	3.0	.030		122.0	80.0	84.0
	77	12	580.0	.100		.020	.50	580.0	1.0		560.0	133.0	74.0	46.0
	78	10	420.0	.080	.310	-.020	-.50	420.0	-1.0	.850	460.0	130.0	77.0	100.0
	79	2	450.0	.200	-.040	-.020	-.50	450.0	-1.0	.200	490.0	130.0	80.0	90.0
		5	400.0	.100	.400	-.020	-.50	360.0	36.0	.600	550.0	120.0	67.0	90.0
		8	400.0	-.100	-.050	-.020	-.50	340.0	60.0		480.0	110.0	62.0	75.0
		21												
	80	1	420.0	.400	-.040	-.020	-.50	380.0	40.0	.700	560.0	120.0	100.0	59.0
			430.0	-.100	.100	-.020	-.50	430.0	-1.0		380.0	120.0	60.0	52.0
		4	420.0	-.100	.300	-.020	-.50	360.0	60.0		680.0	140.0	86.0	130.0
		7	490.0	-.100	-.040	-.020	.50	400.0	90.0		470.0	140.0	74.0	65.0
		10	410.0	-.100	-.040	-.020	-.50	380.0	28.0	.700	520.0	120.0	70.0	95.0
	81	1	410.0	-.100	-.040	-.020	-.50	410.0	-1.0		600.0	130.0	72.0	100.0
		4	420.0	-.100	-.040	-.020	-.50	400.0	16.0		560.0	140.0	79.0	93.0
		10	430.0	-.100	.100	-.020	-.50	360.0	68.0	.400	560.0	130.0	80.0	93.0
W502	74	10		.500	-.100	.004	.05	500.0	-.1	.020		110.0	81.0	82.0
	75	9		.700	.200	.002	.04	420.0	5.0	.030		110.0	86.0	78.0
	76	5		.010		.001	.04	433.0		.010		113.0	74.0	75.0
		10		.300	-.100	.005	.02	364.0	4.0	.050		111.0	76.0	70.0
	78	6	430.0	.300	.500	-.020	-.50	420.0	10.0	-.100	560.0	130.0	65.0	82.0
		10	340.0	.200	.750	-.020	.80	320.0	20.0	.560	460.0	120.0	81.0	110.0
	79	2	420.0	.200	-.040	-.020	-.50	400.0	20.0	.300	460.0	110.0	73.0	84.0
		5	400.0	.500	.300	-.020	-.50	370.0	30.0	.600	410.0	110.0	71.0	88.0
		8	400.0	-.100	-.050	-.020	-.50	320.0	77.0		460.0	100.0	57.0	76.0
	80	1	390.0	-.100	.600	-.020	-.50	280.0	110.0	1.000	510.0	100.0	89.0	57.0
			410.0	-.100	-.040	-.020	-.50	370.0	40.0		370.0	110.0	57.0	53.0
		4	400.0	-.100	.060	-.020	-.50	330.0	70.0		600.0	110.0	78.0	110.0
		7	400.0	-.100	-.040	-.020	-.50	350.0	54.0		390.0	110.0	57.0	62.0
		10	390.0	-.100	-.040	-.020	-.50	350.0	40.0	.800	530.0	100.0	70.0	96.0
	81	1	400.0	-.100	-.040	-.020	-.50	340.0	56.0		570.0	110.0	72.0	93.0
		4	410.0	-.100	-.040	-.020	-.50	350.0	62.0		530.0	120.0	74.0	91.0
		6	410.0	-.100	-.040	-.020	-.50	360.0	50.0		540.0	130.0	74.0	95.0

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SPRINGS

SPRING	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WS02	81	10	410.0	-.100	.100	-.020	-.50	330.0	84.0	.400	530.0	120.0	72.0	93.0
WS03	74	10		.300	-.100	.003	.01	520.0	-.1	.040		200.0	37.0	92.0
	75	9		3.000	.400	.004	.02	460.0	4.0	.080		140.0	94.0	83.0
	76	2		.020	-.020	.010	.04	512.0	6.0	.006		131.0	80.0	86.0
		4			-.050	-.050		510.0	5.0			135.0	91.0	91.0
		5		.040	.300	.001	.01	459.0	2.0	.010		129.0	80.0	84.0
		6			.010	.001		321.0	5.0			129.0	84.0	33.0
		7			-.010	.001		537.0				132.0	93.0	74.0
		8			.120	.001		492.0	7.0			138.0	96.0	86.0
		10		.100	-.100	.006	.10	404.0	5.0	.040		135.0	83.0	80.0
	77	12	513.0	.200		.020	.50	513.0	1.0		590.0	142.0	93.0	43.0
	78	4	440.0	.050	.120	-.020	-.50	440.0	-1.0	.300	540.0	140.0	76.0	85.0
		6	400.0	.300	.300	-.020	-.50	370.0	30.0	.600	430.0	120.0	56.0	72.0
		7	460.0	.100	.350	-.020	-.50	430.0	30.0	.400	550.0	130.0	65.0	80.0
		10	430.0	.030	.230	-.020	-.50	410.0	20.0	.410	540.0	130.0	81.0	89.0
	79	2	450.0	-.100	.020	-.020	-.50	450.0	-1.0	.500	540.0	140.0	80.0	90.0
		5	410.0	.500	.600	-.020	-.50	390.0	25.0	.600	570.0	120.0	71.0	86.0
		8	400.0	.100	-.050	-.020	.50	360.0	40.0		510.0	120.0	70.0	76.0
	80	1	400.0	-.100	.100	-.020	-.50	300.0	100.0	1.000	540.0	110.0	98.0	57.0
			420.0	-.100	-.040	-.020	-.50	420.0	-1.0		370.0	110.0	57.0	53.0
		4	430.0	-.100	.070	-.020	-.50	380.0	50.0		650.0	120.0	86.0	120.0
		7	430.0	-.100	.050	-.020	.50	430.0	-1.0		370.0	110.0	55.0	59.0
		10	420.0	-.100	-.040	-.020	-.50	420.0	-1.0	.700	580.0	120.0	82.0	99.0
	81	1	420.0	-.100	.040	-.020	-.50	420.0	-1.0		700.0	130.0	91.0	110.0
		4	430.0	-.100	-.040	-.020	-.50	430.0	-1.0		610.0	150.0	88.0	100.0
		10	450.0	-.100	.050	-.020	-.50	400.0	46.0	.500	610.0	140.0	87.0	99.0
WS04	74	10		.100	-.100		.05	480.0	-.1	.030		90.0	93.0	66.0
	75	9		.300	.200	.003	.02	420.0	7.0	.020		100.0	77.0	77.0
	76	5		.090		.005	.02	451.0		.020		129.0	76.0	78.0
	78	6	360.0	.100	.360	-.020	-.50	340.0	20.0	.500	500.0	120.0	57.0	76.0
		10	320.0	.100	.350	-.020	.60	300.0	20.0	.840	460.0	120.0	66.0	94.0
	79	2	420.0	-.100	-.040	-.020	-.40	400.0	20.0	.300	350.0	120.0	70.0	90.0
		5	400.0	.300	.400	-.020	-.50	390.0	12.0	.300	650.0	110.0	98.0	117.0
		8	390.0	-.100	-.050	-.020	-.50	340.0	48.0		470.0	100.0	57.0	74.0

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SPRING	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WS04	80	1	410.0	-.100	.600	-.020	-.50	360.0	54.0	.800	510.0	110.0	90.0	58.0
			410.0	-.100	-.040	-.020	-.50	370.0	32.0		330.0	99.0	53.0	47.0
		4	410.0	-.010	-.040	-.020	-.50	320.0	90.0		620.0	110.0	77.0	120.0
		7	410.0	-.100	.200	-.020	-.50	360.0	48.0		350.0	90.0	50.0	58.0
		10	390.0	-.100	-.040	-.020	-.50	340.0	50.0	.500	520.0	110.0	69.0	94.0
	81	1	400.0	-.100	-.040	-.020	-.50	380.0	20.0		600.0	120.0	73.0	100.0
		4	410.0	-.100	-.040	-.200	-.50	380.0	32.0		540.0	130.0	76.0	92.0
		6	410.0	-.100	.060	-.020	-.50	380.0	34.0		550.0	130.0	75.0	97.0
		10	420.0	-.100	.050	-.020	-.50	370.0	48.0	.400	540.0	120.0	73.0	94.0
WS06	74	10		1.000	-.100	.030	.03	560.0	-.1	.030		160.0	63.0	100.0
	75	5						610.0				140.0	85.0	96.0
		9		.400	.400	.002	.06	480.0	4.0	.030		140.0	100.0	97.0
	76	5		.020		.001	.01	537.0		.020		133.0	79.0	81.0
		10		.070	-.100	.003	.10	465.0	2.0	.020		128.0	85.0	79.0
	77	12	693.0	.100		.020	2.00	693.0	1.0		590.0	143.0	93.0	39.0
	78	6	530.0	.300	-.040	-.020	.50	500.0	30.0	.800	600.0	150.0	92.0	84.0
		10	930.0	.100	-.040	-.020	-.50	900.0	30.0	.800	460.0	130.0	80.0	97.0
	79	2	500.0	.200	-.040	-.020	-.50	500.0	-1.0	-.100	520.0	140.0	90.0	90.0
		5	470.0	-.100	.200	-.020	-.50	440.0	30.0	.600	590.0	120.0	94.0	98.0
		8	470.0	-.100	-.050	-.020	.50	430.0	40.0		540.0	120.0	74.0	84.0
		10	1.0											
	80	1	440.0	-.100	-.040	-.020	.50	380.0	60.0	.600	540.0	110.0	93.0	63.0
			460.0	-.100	.100	-.020	-.50	440.0	24.0		400.0	120.0	62.0	59.0
		4	490.0	-.100	-.040	-.020	-.50	450.0	40.0		650.0	130.0	89.0	110.0
		7	500.0	-.100	-.040	-.020	-.50	440.0	56.0		450.0	140.0	69.0	66.0
		10	490.0	-.100	-.040	-.020	-.50	490.0	-1.0	.700	630.0	130.0	87.0	110.0
	81	1	490.0	-.100	-.040	-.020	-.50	490.0	-1.0		700.0	140.0	90.0	110.0
		4	500.0	-.100	.040	-.020	-.50	480.0	22.0		660.0	150.0	94.0	110.0
		6	500.0	-.100	-.040	-.020	-.50	500.0	-1.0		630.0	150.0	87.0	110.0
		10	510.0	-.100	.070	-.020	-.50	470.0	36.0	.500	640.0	140.0	89.0	110.0
WS07	74	10		.400	-.100	.004	.01	520.0	-.1	.010		150.0	64.0	120.0
	75	9		.200	.200	.003	.03	500.0	3.0	.050		130.0	92.0	80.0
	76	5				.001	.05	518.0		.004		133.0	82.0	79.0
		10		1.000	-.100	.002	.08	431.0	4.0	.020		130.0	85.0	78.0

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SPRING	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WS07	77	12	570.0	.100		.020	2.00	570.0	1.0		570.0	127.0	73.0	42.0
	78	4	500.0	.040	.280	-.020	-.50	500.0	-1.0	.400	640.0	140.0	88.0	100.0
		7	510.0	.100	1.200	-.020	.50	460.0	50.0	.400	610.0	130.0	70.0	110.0
		10	490.0	.100	4.500	.020	-.50	470.0	20.0	.650	540.0	130.0	81.0	94.0
	79	2	490.0	.100	-.040	-.020	-.50	490.0	-1.0	.300	540.0	130.0	80.0	90.0
		5	470.0	.100	.300	-.020	-.50	430.0	42.0	.900	570.0	120.0	94.0	95.0
		8	460.0	-.100	.050	-.020	.50	430.0	30.0		550.0	120.0	72.0	86.0
	80	1	440.0	-.100	-.040	-.020	-.50	350.0	90.0	.700	570.0	120.0	100.0	63.0
			480.0	-.100	-.040	-.020	.50	480.0	-1.0		440.0	130.0	70.0	62.0
		4	480.0	-.100	-.040	-.020	-.50	420.0	60.0		680.0	140.0	94.0	120.0
		7	480.0	-.100	-.040	-.020	-.50	480.0	-1.0		410.0	130.0	61.0	63.0
		10	470.0	-.100	-.040	-.020	-.50	470.0	-1.0	.800	640.0	120.0	90.0	110.0
	81	1	480.0	-.100	-.040	-.020	-.50	480.0	-1.0		690.0	140.0	89.0	110.0
		4	480.0	-.100	-.040	-.020	-.50	480.0	-1.0		660.0	140.0	93.0	110.0
		6	490.0	-.100	-.040	-.020	-.50	490.0	-1.0		640.0	130.0	88.0	110.0
		10	490.0	-.100	.040	-.020	-.50	490.0	-1.0	.500	630.0	140.0	86.0	110.0
WS08	74	10		.200	.100		.06	610.0	-.1	.040		140.0	63.0	140.0
	75	9			.200	.010	.04	450.0	4.0	.010		110.0	84.0	78.0
	76	10		.020	-.100	.002	.05	424.0	5.0	.030		111.0	78.0	84.0
	78	7	480.0	.200	.640	-.020	.50	310.0	170.0	.700	570.0	140.0	62.0	92.0
	79	8	430.0	.100	-.050	-.020	.50	380.0	48.0		510.0	120.0	61.0	83.0
	80	1	470.0	-.100	-.040	-.020	.50	410.0	60.0	.400	580.0	120.0	100.0	67.0
			430.0	-.100	.100	-.020	-.50	430.0	-1.0		400.0	120.0	61.0	59.0
		4	480.0	-.100	-.040	-.020	-.50	410.0	70.0		640.0	120.0	85.0	120.0
		7	480.0	-.100	-.040	-.020	-.50	480.0	-1.0		430.0	120.0	65.0	66.0
	81	4	470.0	-.100	.070	-.020	-.50	470.0	-1.0		630.0	140.0	86.0	110.0
WS09	74	10		.200	.100	.002	.05	520.0	-.1	.020		150.0	46.0	130.0
	75	9						590.0				130.0	79.0	100.0
	76	2		.004	-.020	.002	.05	537.0	3.0	.010		120.0	80.0	92.0
		4			-.050	-.050		580.0	4.0			124.0	91.0	102.0
		5		.010	.300	.001	.02	494.0		.010		120.0	76.0	84.0
		6			.030	.001		415.0	3.0			122.0	84.0	42.0

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WS09	76	7			.020			604.0				120.0	94.0	82.0
		8			.120	.001		321.0	2.0			68.0	51.0	54.0
		9			.020	.001		571.0				120.0	84.0	99.0
		10		.030	-.100	.005	.04	406.0	5.0	.010		118.0	81.0	76.0
	77	12	665.0	.200		.020	.50	665.0	1.0		600.0	140.0	74.0	42.0
	78	6	480.0	.400	-.040	-.020	-.50	480.0	-1.0	.100	440.0	130.0	87.0	93.0
		10	400.0	.040	.300	-.020	.59	380.0	20.0	.560	520.0	120.0	78.0	110.0
	79	2	500.0	.200	.240	-.020	-.50	500.0	-1.0	.600	570.0	120.0	80.0	100.0
		5	470.0	.100	.200	-.020	-.50	440.0	32.0	.400	590.0	110.0	93.0	104.0
		8	470.0	-.100	-.050	-.020	.50	405.0	65.0		550.0	110.0	63.0	88.0
	80	1	470.0	-.100	-.040	-.020	.50	410.0	56.0	.900	580.0	110.0	100.0	67.0
			480.0	-.100	-.040	-.020	-.50	480.0	-1.0		430.0	120.0	65.0	65.0
		4	490.0	-.100	-.040	-.020	-.50	430.0	60.0		680.0	130.0	89.0	120.0
		7	480.0	-.100	-.040	-.200	-.50	420.0	58.0		440.0	120.0	65.0	67.0
		10	420.0	-.100	.100	-.020	-.50	420.0	-1.0	.400	610.0	100.0	81.0	110.0
	81	1	490.0	-.100	-.040	-.020	-.50	490.0	-1.0		690.0	130.0	82.0	120.0
		4	480.0	-.100	-.040	-.020	-.50	480.0	-1.0		630.0	130.0	86.0	110.0
		6	490.0	-.100	-.040	-.020	-.50	490.0	-1.0		650.0	150.0	86.0	120.0
		10	480.0	-.100	.050	-.020	-.50	450.0	34.0	.800	630.0	120.0	81.0	120.0
WS10	74	10		2.000	.100	.002	.05	540.0	-.1	.010		120.0	28.0	160.0
	75	5		.020		.001		540.0				110.0	75.0	100.0
		9		1.000	.200	.001	.03	460.0	3.0	.050		110.0	81.0	84.0
	76	5		.030	.300	.001	.06	445.0		.009		112.0	69.0	77.0
		6			.010	.001		353.0	3.0			111.0	76.0	28.0
		7			.010			543.0				109.0	86.0	72.0
		10		.030	-.100	.002	.02	365.0	6.0	.020		110.0	76.0	71.0
	77	12	636.0	.200		.020	.50	636.0	1.0		580.0	120.0	72.0	49.0
	78	6	463.0	.100	-.040	-.020	-.50	459.0	4.0	.400	360.0	120.0	13.0	89.0
		10	340.0	.100	.050	-.020	.50	310.0	30.0	.910	530.0	110.0	75.0	100.0
	79	2	490.0	.200	.150	-.020	-.50	490.0	-1.0	.600	570.0	110.0	70.0	95.0
		5	440.0	-.100	.500	-.020	-.50	400.0	45.0	.600	550.0	110.0	90.0	110.0
		8	440.0	-.100	.150	-.020	.50	390.0	48.0		530.0	110.0	62.0	83.0
	80	1	450.0	-.100	-.040	-.020	1.30	350.0	96.0	.700	570.0	100.0	100.0	66.0
			460.0	-.100	.090	-.020	.50	460.0	-1.0		410.0	110.0	62.0	64.0

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SPRINGS

SPRING	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WS10	80	4	450.0	-.100	.200	-.020	-.50	360.0	90.0		500.0	120.0	78.0	72.0
		7	450.0	1.000	-.040	-.020	-.50	390.0	60.0		410.0	110.0	60.0	66.0
		10	450.0	-.100	-.040	-.020	-.50	450.0	-1.0	.700	580.0	100.0	74.0	110.0
	81	1	460.0	-.100	.060	-.020	-.50	460.0	-1.0		660.0	120.0	76.0	120.0
		4	470.0	-.100	-.040	-.020	-.50	450.0	20.0		620.0	120.0	84.0	110.0
		6	490.0	-.100	-.040	-.020	-.50	440.0	48.0		610.0	140.0	81.0	110.0
		10	470.0	-.100	.050	-.020	-.50	470.0	-1.0	.600	640.0	120.0	83.0	120.0
WS11	75	5						650.0	-.1			240.0	78.0	48.0
	80	7	470.0	-.100	-.040	-.020	-.50	470.0	-1.0		410.0	110.0	59.0	66.0
		10	450.0	-.100	-.040	-.020	-.50	450.0	-1.0	.700	590.0	110.0	77.0	71.0
	81	1	460.0	.100	-.040	-.020	-.50	460.0	-1.0		670.0	120.0	77.0	120.0
		4	470.0	-.100	-.040	-.020	-.50	470.0	-1.0		620.0	120.0	84.0	110.0
		6	470.0	-.100	-.040	-.020	-.50	430.0	44.0		610.0	130.0	81.0	110.0
		10	480.0	-.100	.040	-.020	-.50	420.0	58.0	.600	620.0	120.0	79.0	120.0
WS12	80	7	470.0	-.100	-.040	-.020	-.50	470.0	-1.0		360.0	140.0	52.0	57.0
		10	510.0	-.100	-.040	-.020	-.50	480.0	30.0	-.100	520.0	120.0	74.0	86.0
	81	1	660.0	-.100	-.040	-.020	-.50	660.0	-1.0		630.0	210.0	81.0	100.0
		4	650.0	-.100	-.040	-.020	-.50	620.0	26.0		540.0	240.0	77.0	88.0
		6	690.0	-.100	-.040	-.020	-.50	640.0	50.0		480.0	250.0	69.0	80.0
		10	730.0	-.100	.040	-.020	-.50	630.0	100.0	.500	470.0	260.0	61.0	88.0
WS36	80	4	430.0	-.100	.040	-.020	-.50	310.0	120.0		610.0	120.0	83.0	110.0
		7	430.0	-.100	.100	-.020	-.50	340.0	88.0		420.0	120.0	63.0	64.0
		10	430.0	-.100	-.040	-.020	-.50	380.0	46.0	.700	550.0	100.0	77.0	94.0
	81	1	430.0	-.100	-.040	-.020	-.50	370.0	56.0		620.0	130.0	79.0	110.0
		4	420.0	-.100	-.040	-.020	-.50	340.0	80.0		600.0	130.0	86.0	100.0
		6	440.0	-.100	-.040	-.020	-.50	360.0	82.0		580.0	140.0	60.0	100.0
		10	440.0	-.100	.040	-.020	-.50	360.0	80.0	.700	600.0	130.0	80.0	110.0
WS66	80	7	490.0	.100	-.040	-.020	-.50	430.0	60.0		440.0	140.0	68.0	66.0

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SPRING	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SH (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WS01	74	10		8.10				1.40	1100.0	1.0	440.0	4.0		-.010	.040
	76	5	.010				1.5	.03	898.0	1.7	373.0	3.5		.070	.040
		6		6.58			1.5		839.0	1.4	397.0	4.0			
		10	.040	.09		.0140	1.0	.02	948.0	1.2	401.0	8.0		.030	.040
	77	12	.020	4.30	7.0		1.5	.04	-.1	5.1	280.0	8.5	40.0	.020	.020
	78	10	.020	11.00	10.0	.0020	1.5	.19	-.1	7.0	360.0	8.2	6.0	-.020	-.020
	79	2	-.020	50.00	20.0	.0050	2.0	-.04		5.0	360.0	8.0	4.0	-.020	-.020
		5	.030	4.20	18.0	.0100	2.1	.10		4.0	350.0	14.0	4.2	-.020	-.020
		8	-.020	-.10	-1.0	.0020	2.0	.10	960.0	4.0	370.0	11.0	13.0	-.020	-.020
		21													
	80	1	.040	-.10	10.0	.6900	2.0	.10	1000.0	6.1	430.0	37.0	3.0	-.020	-.020
				******											
			.050	-.10	18.0	-.0010	1.7	.10	980.0	5.4	440.0	14.0	16.0	-.020	-.020
		4	-.010	17.00	1.0	-.0010	1.5	.10	950.0	5.0	330.0	40.0	2.0	-.020	-.020
		7	-.010	-.50	-1.0	-.0010	3.2	-.10	1100.0	5.9	270.0	6.4	13.0	.020	-.020
		10	-.010	3.60	-1.0	-.0010	1.4	.10	970.0	4.7	340.0	6.6	-1.0	-.020	-.020
	81	1	-.010	2.40	-1.0	-.0010	1.9	.20	920.0	3.0	290.0	7.9	2.0	-.020	-.020
		4	-.010	1.30	6.0	.0010	2.4	-.10	960.0		350.0	8.5	-1.0	-.020	-.020
		10	-.010	2.00	-10.0	-.0010	1.7	-.10	940.0	6.6	360.0	7.4	-50.0	-.020	-.020
WS02	74	10		5.40				1.20	880.0	3.0	340.0	5.0		-.010	.040
	75	9	.040	.20			1.1	.10	970.0	.9	340.0	5.0		-.010	.020
	76	5	-.020				.8	.02	847.0	2.1	354.0	.9		.020	.020
		10	.020	2.10		.0220	.8	.01	819.0	1.1	354.0	6.0		.020	.050
	78	6	-.020	4.40	-1.0	.0430	2.2	.04	-.1	5.0	320.0	8.0	-1.0	-.020	-.100
		10	-.020	4.80	10.0	.0030	1.0	.19	-.1	7.0	360.0	7.8	2.0	-.020	-.020
	79	2	-.020	8.00	9.0	.0060	.9	-.04		5.0	320.0	7.0	10.0	-.020	-.020
		5	.300	-.10	31.0	.0050	2.1	.10		4.1	270.0	2.0	2.1	-.020	-.020
		8	-.020	-.10	-1.0	.0030	1.0	1.00	880.0	4.0	310.0	10.0	15.0	-.020	-.020
	80	1	.030	-.10	11.0	.0060	.8	.20	780.0	5.8	350.0	12.0	5.0	-.020	-.020
				******											
			.060	-.10	7.0	.0060	.7	.10	780.0	5.8	360.0	13.0	1.0	.020	-.020
		4	-.010	17.00	1.0	.0040	.9	-.10	850.0	4.8	290.0	53.0	35.0	-.020	-.020
		7	-.010	2.70	-1.0	-.0010	2.4	.10	860.0	5.4	260.0	6.0	4.0	-.020	-.020
		10	-.010	3.50	2.0	.0010	.8	.20	880.0	4.7	210.0	5.6	-1.0	-.020	-.020
	81	1	-.010	3.30	-1.0	-.0010	1.1	-.10	820.0	3.0	230.0	7.6	-1.0	-.020	.020
		4	-.010	1.80	2.0	-.0010	1.1	.10	840.0		260.0	7.3	-1.0	-.020	-.020
		6	-.010	3.80	-10.0	-.0010	4.2	-.10	830.0	2.7	350.0	5.7	-50.0	-.020	-.020

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SPRING	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WS02	81	10	-.010	2.50	-10.0	.0030	1.0	-.10	850.0	6.8	290.0	6.2	-50.0	-.020	-.020
WS03	74	10		5.60				1.10	970.0	2.0	370.0	5.0		-.010	.030
	75	9	.050	8.10			2.0	.40	1130.0	2.0	400.0	5.0		-.010	.040
	76	2	.040	.51			1.7	.05	967.0	1.6	387.0	8.0		.100	.020
		4		-.03			1.8		1030.0	1.6	435.0	5.0			
		5	-.020	.80		-.0100	1.5	.07	941.0	1.7	398.0	6.2		.080	.010
		6		3.40			1.7		846.0	1.4	415.0	5.0			
		7		5.72			1.6		1003.0	2.0	417.0	4.0			
		8		1.87			1.9		1015.0	1.9	415.0	7.0			
		10	.040	1.20		.0110	1.8		960.0	1.2	424.0	15.0		.020	.090
	77	12	.020	4.40	12.0		1.7	.04	-.1	5.4	218.0	9.0	32.0	.040	.020
	78	4	-.020	4.00	10.0	.0070	2.0	.04	-.1	3.0	320.0	8.0	16.0	-.020	-.020
		6	-.020	4.40	9.0	.0010	.6	.04	-.1	5.0	430.0	6.0	-1.0	-.020	-.100
		7	-.020	3.80	3.0	.0100	2.4	.04	-.1	5.0	400.0	8.0	20.0	-.020	-.100
		10	-.020	23.00	10.0	.0010	1.7	.05	-.1	6.0	890.0	7.0	2.0	-.020	-.020
	79	2	-.020	8.00	3.0	.0050	2.0	-.04		5.0	400.0	8.0	4.0	-.020	-.020
		5	.200	2.10	26.0	.0050	2.5	.10		4.2	370.0	9.0	2.1	-.020	-.020
		8	.030	-.10	1.0	.0200	1.8	.15	1000.0	4.7	400.0	12.0	2.8	-.020	-.020
	80	1	.060	-.10	8.0	-.0010	1.4	.10	890.0	5.7	340.0	47.0	3.0	-.020	-.020
			.020	-.10	4.0	-.0010	1.2	.10	890.0	5.3	420.0	13.0	-1.0	.020	-.020
		4	-.010	17.00	2.0	.0040	2.3	-.10	980.0	5.0	340.0	42.0	2.0	-.020	-.020
		7	-.010	1.80	8.0	-.0010	3.2	-.10	960.0	4.3	250.0	7.4	2.0	-.020	-.020
		10	-.010	2.40	12.0	-.0010	1.8	.20	980.0	5.0	460.0	11.0	-1.0	-.020	-.020
	81	1	-.010	2.20	4.0	.0100	2.5	.10	940.0	3.0	380.0	8.9	1.0	-.020	.020
		4	-.010	1.40	-1.0	.0010	3.0	-.10	1000.0		460.0	9.5	-1.0	-.020	-.020
		10	-.010	2.20	-10.0	-.0010	2.1	-.10	990.0	7.1	380.0	7.4	-50.0	-.020	-.020
WS04	74	10	.010	6.00				1.20	800.0	4.0	290.0	4.0		-.010	.200
	75	9	.030	7.30			1.5	-.10	840.0	1.0	300.0	4.0		-.010	.020
	76	5	-.005				1.3	.06	926.0	3.0	401.0	2.0		.070	.050
	78	6	-.020	3.80	-1.0	.0100	.8	.20	-.1	5.0	390.0	6.0	-1.0	-.020	-.100
		10	-.020	12.00	10.0	.0020	1.0	.59	-.1	7.0	150.0	7.0	6.0	-.020	-.020
	79	2	-.020	15.00	5.0	.0140	1.0	.20		5.0	240.0	6.0	-1.0	-.020	-.020
		5	.100	-.10	28.0	.0050	3.1	.30		4.7	470.0	3.6	2.1	-.020	-.020
		8	-.020	-.10	-1.0	.0010	1.0	.09	870.0	4.0	320.0	9.0	12.0	-.020	-.020

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SPRING	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WS04	80	1	-.020	-.10	5.0	-.0010	1.0	.10	810.0	6.0	390.0	30.0	3.0	-.020	-.020
				******											
			.050	-.10	2.0	-.0010	.9	.10	860.0	5.1	350.0	14.0	4.0	-.020	-.020
		4	-.010	16.00	-1.0	.0010	1.2	-.10	880.0	4.9	310.0	43.0	21.0	-.020	-.020
		7	-.010	2.70	-1.0	.0100	3.6	.10	1200.0	4.4	230.0	8.8	8.0	.030	.040
		10	-.010	3.10	3.0	-.0010	.9	-.10	870.0	4.7	270.0	6.1	-1.0	-.020	-.020
	81	1	-.010	3.10	3.0	.0030	1.3	.10	850.0	3.2	260.0	7.4	6.0	-.020	-.020
		4	-.010	1.60	-1.0	-.0010	1.4	.10	880.0		350.0	6.4	-1.0	-.020	-.020
		6	-.010	3.10	-10.0	.0250	3.8	.10	850.0	2.7	360.0	6.3	-50.0	-.020	-.020
		10	-.010	3.10	-10.0	-.0010	1.2	.30	860.0	6.8	320.0	6.1	-50.0	-.020	-.020
WS06	74	10	.010	2.70				1.60	900.0	5.0	360.0	-4.0		.010	.050
	75	5		.80			2.3	.10		4.5	360.0	11.0			
		9	.050	.70			2.2	1.10	960.0	2.0	350.0	10.0		-.010	.030
	76	5	-.030				2.0	.04	934.0	2.1	346.0	9.7		.050	.007
		10	.020	1.60		.0090	2.0	.10	936.0	1.7	374.0	17.0		.020	.020
	77	12	.020	3.40	4.0		1.8	.04	-.1	6.6	387.0	12.0	32.0	.020	.020
	78	6	-.020	3.80	-1.0	.0030	2.5	.09	-.1	6.0	320.0	11.0	-1.0	-.020	-.100
		10	-.020	2.30	20.0	.0020	1.8	.23	-.1	7.0	320.0	11.0	8.0	-.020	-.020
	79	2	-.020	6.00	40.0	.0070	2.0	-.04		6.0	340.0	11.0	10.0	-.020	-.020
		5	.300	-.10	32.0	.0070	2.4	.04		5.5	350.0	21.0	-.1	-.020	.030
		8	.020	-.10	-1.0	.0100	2.0	.17	1000.0	5.8	360.0	18.0	17.0	-.020	-.020
		10													
	80	1	.020	-.10	1.0	.0090	1.8	.10	960.0	6.7	350.0	21.0	5.0	-.020	-.020
				******											
			.040	-.10	1.0	.0060	2.5	.10	910.0	6.2	380.0	18.0	2.0	-.020	-.020
		4	-.010	26.00	-1.0	.0010	2.1	.10	1000.0	6.1	390.0	57.0	2.0	-.020	-.020
		7	.020	4.40	-1.0	.0030	4.5	.10	1100.0	7.0	360.0	14.0	5.0	-.020	-.020
		10	-.010	2.60	2.0	.0030	2.0	.10	1000.0	6.2	420.0	12.0	-1.0	-.020	-.020
	81	1	-.010	2.40	-1.0	.0020	2.8	.10	1000.0	3.8	280.0	13.0	-1.0	-.020	-.020
		4	-.010	1.00	4.0	.0010	3.0	.20	1100.0		340.0	12.0	-1.0	-.020	-.020
		6	-.010	3.10	-10.0	.0030	4.6	.10	990.0	3.6	380.0	11.0	-50.0	-.020	-.020
		10	-.010	1.70	-10.0	-.0010	2.2	.10	1000.0	8.4	360.0	6.5	-50.0	-.020	-.020
WS07	74	10		2.90				1.60	970.0	2.0	380.0	-4.0		-.010	.030
	75	9	.010	6.90			1.9	.20	1100.0	1.0	380.0	10.0		-.010	.010
	76	5					1.4	.10	932.0	2.3	357.0	6.2		.030	.009
		10	.020	1.20		.0070	1.5	.02	921.0	1.8	381.0	11.0		.005	.040

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SPRING	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WS07	77	12	.020	.90	1.0		1.7	.04	-.1	6.0	156.0	12.0	4.0	.020	.020
	78	4	-.020	2.00	2.0	.0040	2.0	-.04	-.1	6.0	320.0	11.0	12.0	-.020	-.020
		7	-.020	1.80	3.0	.0100	2.1	.04	-.1	6.0	330.0	11.0	-1.0	-.020	-.100
		10	-.020	4.30	7.0	.0010	1.4	.16	-.1	8.0	910.0	9.5	20.0	-.020	-.020
	79	2	-.020	3.00	45.0	.0070	2.0	.20		7.0	370.0	10.0	2.0	-.020	-.020
		5	-.020	-.10	5.0	.0030	2.8	-.40		5.4	350.0	8.0	4.2	-.020	.020
		8	.020	-.10	1.0	.0200	1.7	.15	1000.0	6.2	370.0	16.0	5.6	-.020	-.020
	80	1	.020	-.10	8.0	.0060	1.7	.10	1000.0	7.4	420.0	29.0	5.0	-.020	-.020
				******											
			.070	-.10	2.0	-.0010	1.8	.10	950.0	7.7	410.0	18.0	20.0	-.020	-.020
		4	-.010	12.00	3.0	.0010	1.8	.10	1000.0	6.6	370.0	48.0	2.0	-.020	-.020
				******											
		7	.010	8.60	4.0	.0030	3.5	.10	1000.0	6.9	330.0	12.0	8.0	-.020	-.020
		10	-.010	3.10	2.0	.0030	1.5	.20	1000.0	6.7	450.0	13.0	4.0	-.020	-.020
	81	1	-.010	2.20	-1.0	.0020	2.2	-.10	1000.0	4.1	360.0	14.0	-1.0	-.020	-.020
		4	-.010	1.00	2.0	-.0010	2.6	.20	1000.0		370.0	13.0	-1.0	-.020	-.020
		6	-.010	3.50	-10.0	-.0010	5.0	.10	990.0	3.8	390.0	11.0	-50.0	-.020	-.020
		10	-.010	2.10	-10.0	.0030	1.8	.10	1000.0	8.4	320.0	12.0	-50.0	-.020	-.020
WS08	74	10	.060	1.10				.20	1000.0	3.0	350.0	-4.0		-.010	.200
	75	9	.020	4.80			2.0	.20	1000.0	4.0	330.0	8.0		-.010	.010
	76	10	.010	.85		.0370	1.7	.04	872.0	1.6	354.0	10.0		.006	.010
	78	7	-.020	3.10	-1.0	.0020	2.2	.04	-.1	6.0	300.0	11.0	-1.0	-.020	-.100
	79	8	-.020	-.10	2.0	-.0010	2.0		960.0	5.0	350.0	17.0	45.0	-.020	-.020
	80	1	.080	-.10	4.0	-.0010	1.8	.10	1000.0	7.3	440.0	18.0	3.0	.020	-.020
			.040	-.10	2.0	.0070	1.6	.10	940.0	6.5	410.0	34.0	-1.0	.020	-.020
		4	-.010	23.00	1.0	-.0010	1.7	.10	1000.0	6.0	330.0	82.0	-1.0	-.020	-.020
		7	.010	8.60	-1.0	-.0010	3.7	.10	1000.0	6.7	250.0	12.0	4.0	-.020	-.020
	81	4	-.010	1.40	3.0	-.0010	2.8	.10	1000.0		290.0	12.0	-1.0	-.020	-.020
WS09	74	10	.200	1.70				.40	950.0	1.0	350.0	-4.0		-.010	.100
	75	9		.30			1.3	.30		4.4	340.0	9.0			
	76	2	.030	.20			1.1	.02	945.0	1.2	358.0	10.0		.010	.040
		4		-.03			1.1		1003.0	1.8	370.0	7.0			
		5	-.009	.12		-.0100	1.1	.08	865.0	2.1	318.0	5.3		.060	.020
		6		.56			1.1		845.0	1.7	362.0	9.0			

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QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WS09	76	7		.34			1.3		984.0	2.4	356.0	11.0			
		8		-.02			.6		547.0	1.4	196.0	2.0			
		9		-.04			1.0		986.0	2.2	366.0	7.0			
		10	.020	.75		.0310	1.0	.06	860.0	1.4	350.0	9.0		.010	.030
	77	12	.020	1.50	1.0		1.5	.04	-.1	6.4	190.0	11.0	4.0	.020	.020
	78	6	-.020	4.20	-1.0	.0050	1.3	-.04	-.1	6.0	310.0	10.0	16.0	-.020	-.100
		10	-.020	-.10	10.0	.0120	1.2	.32	-.1	8.0	290.0	10.0	2.0	-.020	-.020
	79	2	-.020	1.00	3.0	.0080	1.0	-.04		6.0	340.0	11.0	-1.0	-.020	-.020
		5	-.020	-.10	6.0	-.0010	2.0	.20		5.1	340.0	8.0	-.1	-.020	-.020
		8	-.020	-.10	-1.0	-.0010	1.0		980.0	5.0	336.0	12.0	4.0	-.020	-.020
	80	1	.040	-.10	2.0	.0130	1.1	.10	1000.0	7.1	420.0	39.0	2.0	.020	-.020
				******											
			.050	-.10	8.0	.0030	1.1	.10	960.0	6.8	410.0	16.0	-1.0	.020	-.020
		4	-.010	19.00	-1.0	.0010	1.3	.10	990.0	6.2	330.0	70.0	-1.0	-.020	-.020
		7	.010	1.00	-1.0	.0010	3.0	-.10	960.0	6.6	250.0	10.0	6.0	.020	.020
		10	-.010	1.30	6.0	.0030	1.1	.10	890.0	6.0	290.0	10.0	-1.0	-.020	-.020
	81	1	-.010	1.30	2.0	-.0010	1.6	.10	1000.0	3.8	330.0	12.0	-1.0	-.020	.020
		4	.010	-.50	4.0	.0010	1.7	.20	990.0		300.0	11.0	-1.0	-.020	.020
		6	-.010	1.10	-10.0	-.0010	4.6	-.10	930.0	3.5	390.0	9.7	-50.0	-.020	-.020
		10	-.010	1.10	-10.0	.0010	1.3	.10	960.0	8.0	360.0	11.0	-50.0	-.020	-.020
WS10	74	10	.020	.10				.60	910.0	1.0	310.0	1.0		-.010	.030
	75	5		.60		-.0100	1.3	.10		3.8	320.0	9.0			
		9		1.80			1.2	.10	940.0	3.0	320.0	6.0		-.010	.003
	76	5		.80			1.1	.06	810.0	1.7	310.0	5.3		.080	.030
		6		1.92			1.1		756.0	.6	342.0	7.0			
		7		.28			1.1		898.0	1.9	341.0	6.0			
		10	.050	.74		.0070	1.0	.20	808.0	1.4	329.0	18.0		.010	.030
	77	12	.020	2.40	2.2		1.4	.04	-.1	5.5	354.0	12.0	4.0	.020	.020
	78	6	-.020	4.00	13.0	.0080	1.3	.10	-.1	5.0	380.0	8.0	28.0	-.020	-.100
		10	.100	4.30	4.0	.0030	1.2	.48	-.1	7.0	440.0	9.4	2.0	-.020	-.020
	79	2	-.020	2.00	20.0	.0200	1.0	.08		5.0	330.0	10.0	2.0	-.020	-.020
		5	-.020	-.10	18.0	-.0100	1.8	-.04		4.6	330.0	14.0	-.1	-.020	.060
		8	-.020	-.10	1.0	-.0010	1.0		940.0	4.0	330.0	13.0	15.0	-.020	-.020
	80	1	.030	-.10	1.0	.0130	1.2	.10	950.0	6.5	400.0	14.0	5.0	-.020	-.020
			.040	-.10	1.0	-.0010	1.3	.10	870.0	6.2	350.0	15.0	-1.0	-.020	-.020

NOTE: - INDICATES LESS THAN

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QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WS10	80	4	-.010	12.00	-1.0	.0030	3.0	.10	970.0	2.0	290.0	47.0	2.0	-.020	-.020
		7	.010	-.50	3.0	-.0010	2.8	.10	910.0	5.9	240.0	10.0	4.0	-.020	.020
		10	-.010	1.60	7.0	-.0010	1.1	.20	950.0	5.2	380.0	10.0	-1.0	-.020	-.020
	81	1	-.010	1.60	-1.0	-.0010	1.8	.10	940.0	3.4	250.0	12.0	-1.0	-.020	-.020
		4	-.010	-.50	3.0	.0020	1.8	.10	970.0		380.0	11.0	8.0	-.020	-.020
		6	-.010	-.50	-10.0	-.0010	3.8	-.10	900.0	3.0	360.0	10.0	-50.0	-.020	-.020
		10	-.010	.90	-10.0	-.0010	1.6	.20	940.0	7.3	280.0	11.0	-50.0	-.020	-.020
WS11	75	5		.50					1100.0		370.0	17.0			
	80	7	.010	1.60	6.0	-.0010	2.9	.10	930.0	5.9	240.0	10.0	6.0	-.020	.020
		10	-.010	1.80	1.0	.0030	1.1	.20	940.0	5.2	380.0	10.0	-1.0	-.020	-.020
	81	1	-.010	1.30	-1.0	-.0010	1.6	.10	940.0	3.4	310.0	13.0	-1.0	-.020	.020
		4	-.010	.80	1.0	-.0010	1.8	.10	960.0		300.0	10.0	-1.0	-.020	-.020
		6	-.010	2.00	-10.0	-.0010	4.6	.10	910.0	3.0	320.0	11.0	-50.0	-.020	-.020
		10	-.010	1.80	-10.0	-.0010	1.4	.20	920.0	7.4	350.0	11.0	-50.0	-.020	-.020
WS12	80	7	.020	5.80	3.0	.0050	3.5	.30	950.0	4.0	210.0	12.0	12.0	.020	-.020
		10	.020	3.50	2.0	-.0010	1.9	.20	970.0	4.5	240.0	13.0	-1.0	-.020	-.020
	81	1	.020	6.10	3.0	.0110	3.0	.40	1100.0	3.0	250.0	11.0	22.0	-.020	-.020
		4	.020	3.40	2.0	.0010	3.1	.50	1100.0		240.0	11.0	-1.0	-.020	-.020
		6	.020	4.60	-10.0	-.0010	5.8	.40	1000.0	2.4	240.0	9.5	-50.0	-.020	-.020
		10	.010	3.00	-10.0	-.0010	2.5	.40	1000.0	5.9	200.0	10.0	-50.0	-.020	-.020
WS36	80	4	-.010	10.00	1.0	-.0010	1.7	.30	950.0	4.6	280.0	45.0	14.0	-.020	-.020
		7	-.010	1.60	-1.0	-.0010	2.8	.10	950.0	5.3	300.0	6.8	-1.0	.020	-.020
		10	-.010	2.90	1.0	-.0010	1.2	.10	960.0	4.7	290.0	6.9	-1.0	-.020	-.020
	81	1	-.010	2.20	2.0	.0120	1.6	.10	940.0	3.0	320.0	6.7	2.0	-.010	-.020
		4	-.010	1.60	4.0	-.0010	1.8	.20	980.0		360.0	6.8	-1.0	-.020	-.020
		6	-.010	3.30	-10.0	.0010	4.2	-.10	920.0	2.6	390.0	6.4	-50.0	-.020	-.020
		10	-.010	2.00	-10.0	-.0010	1.3	.10	910.0	6.6	340.0	6.8	-50.0	-.020	-.020
WS66	80	7	.010	3.80	-1.0	.0030	6.1	.10	1100.0	6.5	300.0	14.0	16.0	-.020	-.020

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SPRING	YR	MO	SIO2 (MG/L)	CYAN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WS01	74	10	12.0		-.10		.00110			.040	-.050	-.50	.200	1.80	.90
	76	5	13.0				.00080			.060	.040	-.50	.003	-.10	.20
		6	13.0		-.02		-.00003					-.50		-.10	.20
		10	17.0	-.100	-.01		.00009	-.004		.100	-.010	-.50	.010	-.10	.20
	77	12				.10			.100	.020	.080	.02	.020	.04	.30
	78	10				.80	-.02000	-.020		.030	.030	-.02	-.020	-.50	.26
	79	2				2.00	-.02000	-.020	-.020	.030	-.020	-.02	.030	.70	.25
		5				1.00	-.02000	-.020	-.020	-.020	-.050	-.02	-.020	-.50	.30
		8					-.00004		-.020	-.020	-.020	.02	-.020	.02	.20
									-.010						
		21													
	80	1				.70	-.02000	-.020	-.020	.020	-.020	-.05	-.020	.03	.20
						.20	-.02000	-.020	-.010	-.020	-.020	-.05	-.020	-.02	.20
		4				.60	.00020	.030	-.010	.010	-.020	-.05	-.020	.02	.40
		7				-.10	-.00020	-.010	-.010	-.020	.020	-.05	.200	.02	.20
		10				.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.30
	81	1				.30	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.30
		4				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.40
		10				.20	-.00020	-.010	-.010	.020	-.020	-.05	-.020	.02	.30
WS02	74	10	13.0		-.10		.00110			.100	.010	-.50	.020	.50	.60
	75	9	15.0		-.10		-.00010			.040	.010	-.50	.010	-.05	.10
	76	5	15.0				-.00003			.020	-.020		.002	-.10	.20
		10	17.0	-.100	.02		.00189	-.002		.060	.009	-.50	.040	-.10	.20
	78	6					.00300		.200	-.100	-.020	.02	-.100	-.50	.20
		10				.40	-.02000	-.020	-.020	.040	-.020	-.02	-.020	-.50	.22
	79	2				3.00	-.02000	-.020	-.020	-.020	-.020	-.02	.030	-.50	.23
		5				2.00	-.02000	-.020	-.020	-.020	-.050	-.02	.040	-.50	.40
		8					-.00004		-.020	-.020	-.020	.02	-.020	.02	.20
	80	1				.60	-.02000	-.020	-.020	-.020	.040	-.05	-.020	-.02	.30
									-.010						
						.30	-.02000	-.020	-.010	-.020	-.020	-.05	-.020	-.02	.20
		4				.30	-.00020	.020	-.010	.010	-.020	-.05	-.020	-.02	.40
		7				-.10	-.00020	-.010	-.010	.020	.020	-.05	-.020	-.02	.30
		10				.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.30
	81	1				.90	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.30
		4				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.30
		6				-.10	-.00020	-.010	-.010	.090	-.020	-.05	-.020	-.02	.20
		10				.20	-.00020	-.010	-.010	.020	-.020	-.05	-.020	-.02	.30

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SPRINGS

SPRING	YR	MO	SIO2 (MG/L)	CYAN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WS03	74	10	13.0		-.10		.00200			.300	.020	-.50	.040	4.00	.70
	75	9	16.0		-.10		.00040			.070	.050	-.50	.007	.20	.20
	76	2	14.0		.03		.00003	-.040		.040	.040	-.50	.005	.30	.10
		4	14.0		-.02							-.50		-.10	.20
		5	13.0	.030	.06		-.00003			.040	-.030	-.50	.007	-.10	.20
		6	14.0		.02		-.00003					-.50		-.10	.20
		7	15.0		.03		.00060					-.50		-.10	.20
		8	21.0		.02									-.10	.20
		10	17.0	-.100	-.01		.00044	-.004		.060	.008	-.50	.010	-.10	.20
	77	12				.10			.100	.020	.200	.02	.020	.03	.20
	78	4				.32			.040	.030	-.100	.01	.020	.03	.40
		6					.00100		.100	.090	-.020	.02	-.100	-.50	.20
		7					.00100		.040	-.100	-.020	.02	-.100	-.50	.30
		10				4.10	-.02000	-.020	-.020	.060	-.020	-.02	-.020	-.50	.20
	79	2				3.00	-.02000	-.020	-.020	-.020	-.020	-.02	-.020	-.50	.24
		5				2.00	-.02000	-.020	-.020	-.020	-.050	-.02	-.020	-.50	.20
		8					.00023		-.020	-.020	.050	-.02	-.020	-.50	.20
							.00030		-.010						
	80	1				.30	-.02000	-.020	-.020	-.020	.050	-.05	-.020	-.02	.30
									-.010						
						.30	-.02000	-.020	-.010	-.020	-.020	-.05	-.020	-.02	.20
		4				1.40	-.00020	.010	-.010	.010	-.020	-.05	-.020	.02	.40
		7				.10	-.00020	-.010	-.010	-.020	.020	-.05	-.020	-.02	.30
		10				-.10	-.00020	-.010	-.010	-.020	.020	-.05	-.020	-.02	.30
	81	1				-.10	-.00020	-.010	-.010	.020	-.020	-.05	-.020	-.02	.40
		4				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.30
		10				.07	-.00020	-.010	-.010	.020	-.020	-.05	-.020	-.02	.30
WS04	74	10	13.0		-.10		.00100			.100	.040	-.50		7.80	.60
	75	9	15.0		-.10		.00030	-.002		.020	.050	-.50		.09	.10
	76	5	15.0							.030	.010	-.50	.100	-.10	.20
	78	6					.00100		.100	-.100	-.020	.02	-.100	-.50	.20
		10				.40	-.02000	-.020	-.020	.020	.030	-.02	-.020	-.50	.21
	79	2				2.00	-.02000	-.020	-.020	.040	-.020	-.02	-.020	-.50	.19
		5				2.00	-.02000	-.020	-.020	-.020	-.050	-.02	.100	-.50	.40
		8					.00040		-.010	-.020	-.020	.02	-.020	.02	.20
							.00030		-.020						
	80	1				.80	-.02000	-.020	-.020	-.020	.030	-.05	-.020	-.02	.30
									-.010						
						.30	-.02000	-.020	-.010	-.020	-.020	-.05	-.020	-.02	.20

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SPRINGS

SPRING	YR	MO	SIO2 (MG/L)	CYAN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WS04	80	4				.80	-.00020	.020	-.010	.010	-.020	-.05	-.020	.02	.40
		7				.30	-.00020	-.010	-.010	.040	-.020	-.05	.040	-.02	.20
		10				-.10	-.00020	-.010	-.010	-.020	.020	-.05	-.020	-.02	.20
	81	1				.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	.02	.40
		4				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.30
		6				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	.030	-.02	.20
		10				.07	-.00020	-.010	-.010	.020	-.020	-.05	-.020	-.02	.30
WS06	74	10	15.0		-.10		.00170			.400	-.030	-.50	.030	-.05	2.10
	75	5	21.0					.001			.001			.01	.60
		9	17.0		-.10		.00020	.004		.100	-.010	-.50	.010	-.05	.40
	76	5	17.0				-.00010			.020	.040	-.50	.004	-.10	.50
		10	19.0	-.100	-.01		.00013	.008	-.001	.050	-.005	-.50	.009	-.10	.40
	77	12				.20			.060	.020	.100	.02	.020	.03	.51
	78	6					.00100		-.020	-.100	-.020	.02	-.100	-.50	.49
		10				.50	-.02000	-.020	-.020	.030	-.020	-.02	-.020	-.50	.23
	79	2				3.00	-.02000	-.020	-.020	.040	-.020	-.02	-.020	-.50	.52
		5				1.00	-.02000	-.020	-.020	-.020	-.050	-.02	.020	-.50	.50
		8					.00018		-.020	-.020	.040	-.02	-.020	-.50	.50
							.00021		-.010						
		10													
	80	1				1.90	-.02000	-.020	-.020	-.020	-.020	-.05	-.020	-.02	.50
									-.010						
						.60	-.02000	-.020	-.010	-.020	-.020	-.05	-.020	-.02	.40
		4				.20	-.00020	.010	-.010	-.020	-.020	-.05	-.020	-.02	.70
		7				-.10	-.00020	-.010	-.010	-.020	.020	-.05	.020	-.02	.40
		10				-.10	-.00020	-.010	-.010	-.020	.030	-.05	-.020	-.02	.50
	81	1				.10	-.00020	-.010	-.010	.020	-.020	-.05	-.020	.03	.40
		4				.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.60
		6				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.50
		10				.07	-.00020	-.010	-.010	.020	-.020	-.05	-.020	.02	.60
WS07	74	10	16.0		-.10		.00030			.080	.030	-.50	.010	.30	1.50
	75	9	17.0		-.10		-.00010			.020	.010	-.50	.007	-.05	.30
	76	5	16.0				.00003			.030	.030	-.50	.010	-.10	.40
		10	17.0	-.100	-.01		.00011	-.003		.050	-.004	-.50	.010	-.10	.30
	77	12				.20			.060	.020	.200	.02	.020	.02	.40
	78	4				.30	.00100		.040	.020	.100	.02	.070	.02	.53
		7					.00100		.100	-.100	-.020	.02	-.100	-.50	.41
		10				2.40	-.02000	-.020	-.020	.060	-.020	-.02	-.020	-.50	.50

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SPRINGS

SPRING	YR	MO	SIO2 (MG/L)	CYAN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WS09	78	6	-.1				.00100		-.020	-.100	-.020	.02	-.100	-.50	.40
		10				.50	-.02000	-.020	-.020	.030	.030	-.02	-.020	-.50	.31
	79	2				3.00	-.02000	-.020	-.020	.030	-.020	-.02	-.020	-.50	.45
		5				2.00	-.02000	-.020	-.020	-.020	-.050	-.02	-.020	-.50	.40
		8					-.00004		-.020	-.020	-.020	.02	-.020	.04	.40
									-.010						
	80	1				.40	-.02000	-.020	-.020	-.020	-.020	-.05	-.020	-.02	.40
									-.010						
						.30	-.02000	-.020	-.010	-.020	-.020	-.05	-.020	-.02	.40
		4				.20	-.00020	.020	-.010	-.020	-.020	-.05	-.020	.02	.70
		7				-.10	-.00020	-.010	-.010	-.020	.020	-.05	.020	-.02	.40
		10				.10	-.00020	-.010	-.010	-.020	.020	-.05	-.020	-.02	.40
	81	1				-.10	-.00020	-.010	-.010	.060	-.020	-.05	-.020	.03	.50
		4				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.50
		6				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.30
		10				.07	-.00020	-.010	-.010	.020	-.020	-.05	-.020	-.02	.50
WS10	74	10	13.0		-.10		.00140			.200	.020	-.50	.060	.47	1.40
	75	5	18.0	.020	.10						.001				.40
		9	16.0		-.10		.00020			.010	.004	-.50	.002	-.05	.30
	76	5	15.0		.06		.00003			.070	.040	-.50	.003	-.10	.40
		6	14.0		-.02		.00003					-.50		-.10	.20
		7	14.0		-.02		-.00003					-.50		-.10	.30
		10	16.0	-.100	-.01		.00013	-.004		.100	-.010	-.50	.008	-.10	.30
	77	12				.10			.200	.020	.200	.02	.020	.06	.43
	78	6				1.75	.00100		-.020	-.100	-.100	.01	-.100	-.50	.40
		10				.40	-.02000	-.020	-.020	.030	.020	-.02	-.020	-.50	.36
	79	2				1.00	-.02000	-.020	-.020	.030	-.020	-.02	-.020	-.50	.43
		5				2.00	-.02000	-.020	-.020	-.020	-.050	-.02	-.020	-.50	.40
		8					.00002		-.020	-.020	-.020	.01	.020	.05	.40
							-.00004		-.010						
	80	1				.30	-.02000	-.020	-.020	-.020	.040	-.05	-.020	-.02	.50
									-.010						
						.30	-.02000	-.020	-.010	-.020	-.020	-.05	-.020	-.02	.40
		4				.50	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	.02	.70
		7				-.10	-.00020	-.010	-.010	-.020	.020	-.01	.020	.03	.40
		10				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.40
	81	1				.30	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	.03	.50
		4				-.10	-.00020	-.010	-.010		-.020	-.05	-.020	-.02	.50
		6				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.40

NOTE: - INDICATES LESS THAN

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SPRINGS

SPRING	YR	MO	SIO2 (MG/L)	CYAN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WS07	79	2				3.00	-.02000	-.020	-.020	.030	-.020	-.02	-.020	-.50	.46
		5				1.00	-.02000	-.020	-.020	-.020	-.050	-.02	.030	-.50	.60
		8					-.00004		-.020	-.020	.040	-.02	-.020	-.50	.40
							.00036		-.010						
	80	1				.60	-.02000	-.020	-.020	-.020	.020	-.05	-.020	-.02	.50
									-.010						
						.20	-.02000	-.020	-.010	.020	-.020	-.05	-.020	-.02	.50
		4				.30	-.00020	.010	-.010	.020	-.020	-.05	-.020	-.02	.80
									-.010						
		7				-.10	-.00020	-.010	-.010	-.020	.020	-.05	-.020	.03	.50
		10				-.10	-.00020	-.010	-.010	-.020	.030	-.05	-.020	-.02	.50
	81	1				.40	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.40
		4				-.10	-.00020	-.010	-.010	.020	-.020	-.05	-.020	-.02	.50
		6				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.40
		10				.07	-.00020	-.010	-.010	.020	-.020	-.05	-.020	-.02	.50
WS08	74	10	13.0		-.10		.00010			.050		-.50	.100	.10	1.70
	75	9	15.0		-.10		-.00010	-.001		.010	-.004	-.50	.040	-.05	.20
	76	10	18.0	-.100	-.01		.00011	-.003		.030	-.008	-.50	.020	-.10	.30
	78	7					.00100		.040	.100	-.020	.02	-.100	-.50	.45
	79	8					-.00002		-.020	-.020	-.020	.02	-.020	.10	.50
							-.00004		-.010						
	80	1				.80	-.02000	-.020	-.020	-.020	.020	-.05	-.020	-.02	.50
									-.010						
						.60	-.02000	-.020	-.010	-.020	-.020	-.05	-.020	-.02	.50
		4				.10	-.00020	.030	-.010	-.020	-.020	-.05	-.020	.02	.70
		7				.30	-.00020	-.010	-.010	-.020	-.020	-.05	.020	.02	.40
	81	4				.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.60
WS09	74	10	14.0		-.10		.00010			.200		-.50	.050	.84	1.50
	75	9	20.0		.03						.001		.020	.01	.50
	76	2	16.0		.02		.00003	-.003		.100	.040	-.50	.020	.40	.30
		4	17.0		-.02							-.50		-.10	.40
		5	16.0	.020	.02		-.00003			.050	-.020	-.50	.006	-.10	.40
		6	17.0		.02		.00003					-.50		-.10	.20
		7	17.0		.03		-.00003					-.50		-.10	.30
		8	15.0		-.02									-.10	.20
		9	19.0		.03									-.10	.40
		10	19.0	-.100	-.01		.00007	-.006		.100	-.006	-.50	.020	-.10	.20
	77	12	-.1			.10			.200	.020	.100	.02	.020	.04	.90

NOTE: - INDICATES LESS THAN

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SPRINGS

SPRING	YR	MO	SIO2 (MG/L)	CYAN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WS10	81	10				.10	-.00020	-.010	-.010	.030	-.020	-.05	-.020	.02	.50
WS11	75	5	21.0		.10									-.05	.20
	80	7				1.20	.00030	-.010	-.010	-.020	.020	-.05	-.020	.03	.40
		10				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.40
	81	1				-.10	-.00020	-.010	-.010	.030	-.020	-.05	-.020	.03	.50
		4				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.50
		6				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.40
		10				.10	-.00020	-.010	-.010	.030	-.020	-.05	-.020	-.02	.50
WS12	80	7				.40	-.00020	-.010	-.010	-.020	.020	-.05	-.020	-.02	5.30
		10				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.50
	81	1				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	.02	.80
		4				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	1.10
		6				.20	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	1.50
		10				.10	-.00020	-.010	-.010	.030	-.020	-.05	-.020	.02	3.10
WS36	80	4				.50	.00020	.020	-.010	.010	-.020	-.05	-.020	.03	.50
		7				.10	-.00020	-.010	-.010	-.020	.020	-.05	-.020	-.02	.30
		10				.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.30
	81	1				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	.02	.40
		4				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.40
		6				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.20
		10				.10	-.00020	-.010	-.010	.020	-.020	-.05	-.020	-.02	.30
WS66	80	7				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	.020	.02	.40

NOTE: - INDICATES LESS THAN

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SPRINGS

SPRING	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	W (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
WS01	74	10					.005			.100	.005		.002	.004	
	76	5							.005	.200	-.005		-.007	.010	
		6													
		10	.004		.002		.010		.002	.200	-.004	-.002	-.006	.020	-.001
	77	12													
	78	10													
	79	2													
		5													
		8													
		21													
	80	1													
		4													
		7													
		10													
	81	1													
		4													
		10													
WS02	74	10				.002	.010			.060	.006			.005	.002
	75	9	.005		.020		.010			.300	-.002		-.005	.005	
	76	5			.003		.002			.200	-.004		-.005	.004	
		10	.001		.002		.003		-.001	.040	-.002		.003	.010	
	78	6													
		10													
	79	2													
		5													
		8													
	80	1													
		4													
		7													
		10													
	81	1													
		4													
		6													
		10													

NOTE: - INDICATES LESS THAN

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SPRINGS

SPRING	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	W (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
WS03	74	10					.008			.080	.006		.004	.002	
	75	9	.060		.040		.010			.400	-.002			.006	
	76	2	.005		.007	.002	.010			.100	-.008	-.020	-.010	.006	
		4													
		5	.004				.004			.090	-.010		-.008	.009	
		6													
		7													
		8													
		10	.002		.002		.020		-.002	.060	-.002	-.003	.001	.004	-.001
	77	12													
	78	4													
		6													
		7													
		10													
	79	2													
		5													
		8													
	80	1													
		4													
		7													
		10													
	81	1													
		4													
		10													
WS04	74	10				.003	.030	.007	.006	.100	.006		.030	.009	.001
	75	9	.002		.003		.010			.200	-.002		-.005	.005	
	76	5	.001		.002		.001			.300	-.005		-.003	.003	
	78	6													
		10													
	79	2													
		5													
		8													
	80	1													
		4													

NOTE: - INDICATES LESS THAN

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QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	■ (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
WS04	80	7													
		10													
	81	1													
		4													
		6													
		10													
WS06	74	10	.005				.040	.008	.005	.300	.010		.010	.004	
	75	5													
		9			.002		.010			.100	-.005		-.007	.005	
	76	5	.005							.090	-.020		.002	.003	
		10	.001		.002		.007		-.001	.040	-.002		-.003	.006	
	77	12													
	78	6													
		10													
	79	2													
		5													
		8													
		10													
	80	1													
		4													
		7													
		10													
	81	1													
		4													
		6													
		10													
WS07	74	10	.006				.010		.006	.200	.006		.002	.004	
	75	9	-.001	-.001			.005			.600	-.001			.003	
	76	5	.004						.005	.080	-.006		-.010	.002	
		10	-.001	.001	-.001		.002		-.001	.050	-.002		.003	.010	
	77	12													
	78	4													
		7													
		10													
	79	2													
		5													

NOTE: - INDICATES LESS THAN

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QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	W (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
WS07	79	8													
	80	1													
		4													
		7													
		10													
	81	1													
		4													
		6													
		10													
WS08	74	10		.006			.009	.006		.200	.007		.020	.003	
	75	9	-.001		-.001		.008		-.001	.300	-.001			-.001	
	76	10	.003		.002		.004		-.001	.020	.003		.004	.002	
	78	7													
	79	8													
	80	1													
		4													
		7													
	81	4													
WS09	74	10	.002				.005			.200	.010		.050	.005	
	75	9													
	76	2	-.001		.003	-.001	.050		.002	.200	-.002		-.002	.002	-.001
		4													
		5	.003		-.004					.050	-.009	-.010	-.003	.002	
		6													
		7													
		8													
		9													
		10	.002		-.003		.020		.001	.050	-.002	-.001	-.002	.004	
	77	12													
	78	6													
		10													
	79	2													

NOTE: - INDICATES LESS THAN

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SPRINGS

SPRING	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	W (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
WS09	79	5													
		8													
	80	1													
		4													
		7													
		10													
	81	1													
		4													
		6													
		10													
WS10	74	10	.001			-.001	.005			.020	.004		.002	.002	
	75	5													
		9	.004	-.001	.001		.004			.600	-.001		-.001	.002	
	76	5	.004							.400	-.010	.020	-.007	.003	
		6													
		7													
		10	.005		.003		.002		-.002	.070	-.004	-.007	-.005	.005	
	77	12													
	78	6													
		10													
	79	2													
		5													
		8													
	80	1													
		4													
		7													
		10													
	81	1													
		4													
		6													
		10													
WS11	75	5													
	80	7													

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SPRINGS

SPRING	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	W (MG/L)	CU (MG/L)	V (MG/L)	BE (MG/L)
WS11	80	10													
	81	1													
		4													
		6													
		10													
WS12	80	7													
		10													
	81	1													
		4													
		6													
		10													
WS36	80	4													
		7													
		10													
	81	1													
		4													
		6													
		10													
WS66	80	7													

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QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WS01	74	10							3.0			
	76	5							5.0			
		6										
		10							6.7			
	77	12										
	78	10							9.1			
	79	2							3.4	6.0		
		5							1.7	46.0	1.0	
		8										
		21										
	80	1										
		4							1.2			
		7										
		10							4.0	19.0		
	81	1										
		4					-.10		3.0	2.0		
		10					-.10			11.0	-.1	
WS02	74	10							2.0			
	75	9							1.0	1.0		
	76	5							8.6	3.0		
		10							10.0			
	78	6							2.8	3.0		
		10							1.6	1.0		
	79	2							1.2	2.0		
		5							6.0	14.0		
		8										
	80	1										
		4							2.5			
		7										
		10							5.0	-7.0		
	81	1										
		4					-.10		4.0	3.0		
		6					-.10					
		10					-.10		1.0	6.0	.3	

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SPRINGS

SPRING	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WS03	74	10							3.0			
	75	9								6.0		
	76	2										
		4										
		5							4.9	10.0		
		6										
		7										
		8										
		10							8.8			
	77	12										
	78	4										
		6							2.1			
		7							1.2			
		10							6.1			
	79	2							3.2			
		5							2.7	21.0		
		8										
	80	1										
		4							.2			
		7										
		10							6.0	-18.0		
	81	1										
		4					-.10		5.0	9.0		
		10					-.10		-1.0	10.0	-.1	
WS04	74	10							4.0			
	75	9							8.0			
	76	5							5.8	16.0		
	78	6										
		10								2.0		
	79	2								7.0		
		5							.8			
		8										
	80	1										

NOTE: - INDICATES LESS THAN

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SPRINGS

SPRING	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WS04	80	4										
		7										
		10							3.0	-8.0		
	81	1										
		4					-.10		3.0	8.0		
		6					-.10					
		10					-.10		-1.0	6.0	.2	
WS06	74	10							3.0			
	75	5										
		9							4.0			
	76	5							5.4	6.0		
		10							7.4	7.0		
	77	12										
	78	6							3.4			
		10										
	79	2							1.6			
		5							12.0	13.0		
		8										
		10										
	80	1										
		4							.3	7.0		
		7										
		10							3.0	-11.0		
	81	1										
		4					-.10		4.0	10.0		
		6					-.10					
		10					-.10		-2.0	4.0	.2	
WS07	74	10							2.0			
	75	9							20.0	30.0		
	76	5							1.7	7.0		
		10							10.0			
	77	12										
	78	4										
		7										
		10							12.7	13.0		

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WS07	79	2							.3			
		5							12.0			
		8										
	80	1										
		4										
		7										
		10							3.0	-7.0		
	81	1										
		4					-.10		4.0	7.0		
		6					-.10					
		10					-.10		-2.0	8.0	.2	
WS08	74	10							4.0			
	75	9							4.0	10.0		
	76	10							5.8			
	78	7							4.3			
	79	8										
	80	1										
		4							1.7			
		7										
	81	4					-.10		4.0	4.0		
WS09	74	10							5.0			
	75	9										
	76	2										
		4										
		5							3.9	2.0		
		6										
		7										
		8										
		9										
		10							11.0	10.0		
	77	12										

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WS09	78	6										
		10							1.6	4.0		
	79	2							1.3	3.0		
		5							9.3	1.0		
		8										
	80	1										
		4								1.0		
		7										
		10							2.0	7.0		
	81	1										
		4					-.10		3.0	2.0		
		6					-.10					
		10					-.10		-1.0	5.0	-.2	
WS10	74	10							1.0			
	75	5										
		9							5.0	9.0		
	76	5							4.7			
		6										
		7										
		10							11.0	4.0		
	77	12										
	78	6							1.3			
		10								8.0		
	79	2							2.8	3.0		
		5							2.1	7.0		
		8										
	80	1										
		4							1.0			
		7										
		10								-6.0		
	81	1										
		4					-.10		3.0	2.0		
		6					-.10					

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
*S10	81	10					-.10		3.0	8.0	.3	
*S11	75	5										
	80	7										
		10							1.0	-10.0		
	81	1										
		4					-.10			10.0		
		6					-.10					
		10					-.10		2.0	1.0		
*S12	80	7										
		10							6.0	-8.0		
	81	1										
		4					-.10		4.0	8.0		
		6					-.10					
		10					-.10		4.0		-.2	
*S36	80	4							3.4			
		7										
		10							4.0	3.0		
	81	1										
		4					-.10		4.0	5.0		
		6					-.10					
		10					-.10		8.0	4.0	-.3	
*S66	80	7										

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S2O3 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WS01	74	10						.020						
	76	5						.020						
		6				6.8								
		10						.020						.007
	77	12			.020			.020		945.0				
	78	10	-1.00		-.020	34.0		-.020	4.0	1000.0				
	79	2	-1.00	-1.0	-.020		.04	.030	12.0	980.0				
		5	-1.00	-1.0	-.020		-.05	-.020		970.0				
		8			-.020			-.020						
		21												
	80	1			-.020			-.020						
					-.020	1.7		-.020						
		4	-1.00	150.0	-.010	9.0		-.020						
		7			-.010			-.020						
		10	3.00	3.0	-.010	2.3		-.020						
	81	1			-.010			-.020						
		4	25.00	30.0	-.010	2.0		-.020						
		10	-1.00	18.0	-.010			-.020						
WS02	74	10						.004						
	75	9						.020						.010
	76	5												
		10			-.007			.050						-.001
	78	6	4.00		-.020	1.0		.030		1000.0				
		10	-1.00		-.020	24.0		-.020	4.0	1000.0				
	79	2	-1.00	-1.0	-.020		.04	-.020	8.0	900.0				
		5	-1.00	10.0	-.020		-.05	-.020		650.0				
		8			-.020			-.020						
	80	1			-.020			-.020						
					-.020			-.020						
		4	8.00	8000.0	-.010	9.0		-.020						
		7			.010			-.020						
		10	7.00	9.0	-.010			-.020						
	81	1			-.010			.020						
		4	344.00	394.0	-.010			-.020						
		6			-.010			-.020						
		10	-1.00	5.0	-.010			-.020						

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S2O3 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WS03	74	10						.010						
	75	9						.010						.020
	76	2				3.0		.020						
		4				9.4								
		5				7.5		.010						
		6				2.3								
		7				7.0								
		8				5.0								
		10			-.005			.020						.003
	77	12			.020			.020		950.0				
	78	4	-1.00		.020	38.0		-.020		960.0				
		6	-1.00		-.020	9.0		.200		890.0				
		7	-1.00		-.020	1.0		-.020		4800.0				
		10	-1.00		-.020	10.0		-.020	4.0	940.0				
	79	2	-1.00	-1.0	-.020		.04	-.020	13.0	1100.0				
		5	-1.00	-1.0	-.020		-.05	-.020		960.0				
		8			-.020			-.020						
	80	1			-.020			-.020						
					-.020			-.020						
		4	-1.00	90.0	-.010	11.0		-.020						
		7			-.010			-.020						
		10	25.00	26.0	-.010			-.020						
	81	1			-.010			.030						
		4	268.00	292.0	-.010			-.020						
		10	-1.00	9.0	-.010			-.020						
WS04	74	10						.080						
	75	9						-.030						.001
	76	5						.006						.002
	78	6	5.00		-.020	1.0		-.020		890.0				
		10	2.00		-.020	14.0		-.020	4.0	900.0				
	79	2	-1.00	-1.0	-.020		.04	-.020	14.0	880.0				
		5	-1.00	-1.0	-.020		-.05	-.020	-1.0	1200.0				
		8			-.020			-.020						
	80	1			-.020			-.020						
					-.020			-.020						

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S2O3 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WS04	80	4	5.00	15000.0	-.010	8.0		-.020						
		7			-.010			.020						
		10	1.00	15.0	-.010			-.020						
	81	1			-.010			.030						
		4	248.00	296.0	-.010			-.020						
		6			-.010			-.020						
		10	-1.00	20.0	-.010			-.020						
WS06	74	10						.010						
	75	5												
		9						.009						
	76	5						.010						
		10			-.008			.020						-.001
	77	12			.020			.020		976.0				
	78	6	13.00		-.020	1.0		-.020		1100.0				
		10	-1.00		-.020	13.0		-.020	5.0	1100.0				
	79	2	-1.00	-1.0	-.020		.04	-.020	8.0	1100.0				
		5	-1.00	4.0	-.020		-.05	-.020		1000.0				
		8			-.020			-.020						
		10				14.0			-1.0					
	80	1			-.020			-.020						
					-.020			-.020						
		4	-1.00	390.0	-.010	4.0		-.020						
		7			-.010			-.020						
		10	6.00	27.0	-.010			-.020						
	81	1			-.010			-.020						
		4	115.00	147.0	-.010			-.020						
		6			-.010			-.020						
		10	-1.00	20.0	-.010			-.020						
WS07	74	10						.009						
	75	9						.003						-.001
	76	5						.010						
		10						.020						-.001
	77	12			.020			.020		855.0				
	78	4	-1.00		-.200	48.0		-.020		1000.0				
		7	-1.00		-.020	48.0		.020		4900.0				
		10	-1.00		-.020	10.0		-.020	3.0	1000.0				

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S2O3 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WS07	79	2	-1.00	-1.0	-.020		.04	-.020	10.0	1100.0				
		5	-1.00	1.0	-.020		-.05	-.020		1000.0				
		8			-.020			-.020						
	80	1			-.020			.020						
					-.020			.020						
		4	-1.00	180.0	-.010	2.0		.020						
						2.0								
		7			-.010			-.020						
		10	-1.00	-1.0	-.010	2.7		-.020						
	81	1			-.010			-.020						
		4	36.00	43.0	-.010	-1.0		-.020						
		6			-.010			-.020						
		10	-1.00	2.0	-.010			-.020						
WS08	74	10						.010						
	75	9						.007						-.001
	76	10						.030						-.001
	78	7	-1.00		-.020	1.0		.100		4400.0				
	79	8			-.020			.020						
	80	1			-.020			-.020						
					-.020			-.020						
		4	-1.00	110.0	-.010	-1.0		-.020						
		7			-.010			-.020						
	81	4	******	2300.0	-.010			-.020						
WS09	74	10						.020						
	75	9												
	76	2			-.002	5.0		.007			.004			.006
		4				6.7								
		5				4.2		.004						
		6				4.5								
		7				6.0								
		8				3.0								
		9												
		10			-.007			.010						.001
	77	12			.020			.020		890.0				

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S2O3 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WS09	78	6	6.00		-.020	3.0		-.020		1000.0				
		10	-1.00		-.020	17.0		-.020	4.0	1000.0				
	79	2	-1.00	-1.0	-.020		.04	-.020	12.0	1000.0				
		5	-1.00	1.0	-.020		-.05	-.020		950.0				
		8			-.020			-.020						
	80	1			-.020			-.020						
					-.020			-.020						
		4	-1.00	320.0	-.010	2.0		.020						
		7			-.010			-.020						
		10	-1.00	-1.0	-.010			-.020						
	81	1			-.010			-.020						
		4	382.00	422.0	-.010			.020						
		6			-.010			-.020						
		10	-1.00	21.0	-.010			-.020						
WS10	74	10						.005						
	75	5												
		9						.003			-.001			-.001
	76	5				2.9		.010						
		6				3.3								
		7				10.0								
		10						.009						-.002
	77	12			.020			.020		930.0				
	78	6	20.00		-.020	1.0		-.020		710.0				
		10	-1.00		-.020	18.0		-.020	4.0	1000.0				
	79	2	-1.00	-1.0	-.020		.04	-.020	11.0	1000.0				
		5	-1.00	1.0	-.020		.07	-.020		910.0				
		8			-.020			.080						
	80	1			-.020			-.020						
					-.020			-.020						
		4	-1.00	70.0	-.010	-1.0		.020						
		7			-.010			-.020						
		10	150.00	2100.0	-.010			-.020						
	81	1			-.010			-.020						
		4	276.00	362.0	-.010			.030						
		6			-.010			.020						

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S2O3 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WS10	81	10	-1.00	17.0	-.010			-.020						
WS11	75	5												
	80	7			-.010			-.020						
		10	51.00	104.0	-.010			-.020						
	81	1			-.010			-.020						
		4	120.00	160.0	-.010			.020						
		6			-.010			-.020						
		10	-1.00	16.0	-.010			-.020						
WS12	80	7			-.010			-.020						
		10	1.00	25.0	-.010			-.020						
	81	1			-.010			.020						
		4	440.00	466.0	-.010			-.020						
		6			-.010			-.020						
		10	-1.00	18.0	-.010			-.020						
WS36	80	4	4.00	200.0	-.010	8.0		-.020						
		7			-.010			-.020						
		10	4.00	11.0	-.010			-.020						
	81	1			-.010			-.020						
		4	******	4600.0	-.010			.020						
		6			-.010			-.020						
		10	-1.00	9.0	.010			-.020						
WS66	80	7			.010			-.020						

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
ALLUVIAL WELLS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
WA01	74	10	7.8	1800.0	
	75	5	8.4	1800.0	
		9	8.4	1800.0	
	76	2	8.4	1700.0	
		4	8.3	1600.0	
		5	8.3	1500.0	
		6	8.7	1650.0	
		7	8.3	1800.0	
		8	8.4	1825.0	
		9	8.4	1200.0	
		10	8.6	1929.0	
	77	12	7.5	1700.0	14.0
	78	3	7.5		14.0
		9	7.7	1600.0	16.0
	79	2			
		3			
		7			
	80	2			
		4	7.3	1600.0	15.0
			8.0	1700.0	
		7	7.4	1625.0	18.0
	81	5	7.5	1620.0	12.0
		7	7.9	1490.0	12.2
		10	7.5	1630.0	16.0
WA02	74	10	7.4	1200.0	
	75	5	8.6	1000.0	
		9	8.6	1100.0	
	76	5	8.3	1100.0	
		10	7.8	1286.0	
	79	7			
	80	2			
		4	7.7	920.0	9.0
			8.2	1400.0	
		7	7.4	1200.0	14.0
	81	5	7.2	1200.0	10.0
		7	7.9	1160.0	7.2
			8.1	1200.0	
		10	7.2	1207.0	16.0
WA03	74	10	7.5	1500.0	
	75	9	8.4	1400.0	

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
ALLUVIAL WELLS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
WA03	76	2	8.3	1350.0	
		4	8.1	1280.0	
		5	8.1	1200.0	
		6	8.4	1200.0	
		7	8.1	1450.0	
		8	8.3	1460.0	
		9	8.3	1460.0	
		10	8.4	1559.0	
	78	1	7.5	1300.0	10.0
	79	3			
		7			
	80	2			
		4	7.6	1110.0	10.5
			7.6	1200.0	
		7	7.2	1300.0	15.0
	81	7	7.3	1280.0	11.3
		10	7.2	1200.0	14.0
WA05	74	10	7.8	1500.0	
	75	5	8.5	1300.0	
		9	8.3	1300.0	
	76	5	8.2	1200.0	
		10	8.2	1521.0	
	78	1	7.8	1250.0	21.0
	80	2			
		5	7.5	1030.0	9.0
			8.1	1200.0	
		7	7.3	1220.0	14.0
	81	7	8.2	1220.0	10.7
		10	7.2	1340.0	14.0
WA06	74	10	7.4	1500.0	
	75	9	8.5	1400.0	
	76	2	8.4	1650.0	
		4	8.2	1400.0	
		5	8.2	1450.0	
		6	8.6	1350.0	
		7	8.1	1500.0	
		8	8.4	1515.0	
		9	8.3	1550.0	
		10	8.0	1578.0	
	78	1	7.8	1400.0	21.0

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
ALLUVIAL WELLS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
WA06	79	3			-.1
		7			
	80	2			
		5	7.4	1055.0	12.0
			8.2	1200.0	
		7	7.3	1210.0	13.0
	81	7	7.7	1180.0	12.9
		10	7.3	1300.0	14.0
WA07	74	10	8.4	1200.0	
	75	5	8.2	1000.0	
		9	8.3	1100.0	
	76	2	8.3	1250.0	
		4	8.3	1150.0	
		5	8.2	1200.0	
		6	8.5	1025.0	
		7	8.3	1200.0	
		8	8.3	1290.0	
		9	8.4	1330.0	
		10	8.2	1341.0	
	78	1	7.9	1150.0	21.0
	79	7			
	80	7	7.5	970.0	14.0
	81	7	8.5	1050.0	10.6
		10	7.4	1280.0	
WA08	74	10	7.6	1400.0	
	75	5	8.5	1100.0	
		9	8.7	1300.0	
	76	5	8.3	1300.0	
		10	8.1	1386.0	
	78	1	7.8	1200.0	21.0
		3	8.3		16.0
		9	7.6	1200.0	11.0
	80	5	7.4	870.0	5.5
			8.0	1100.0	
		7	7.5	1160.0	13.5
	81	7	8.0	1020.0	7.0
		10	7.4	1300.0	11.0
WA09	74	10	7.4	1100.0	
	75	5	8.5	1000.0	
		9	8.2	1200.0	

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
ALLUVIAL WELLS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
WA09	76	5	8.4	950.0	
		10	8.2	1188.0	
	78	1	7.8	1300.0	21.0
		3	7.9		8.0
		9	7.6	1000.0	15.0
	79	3			-.1
	80	2			
		4	7.8	795.0	10.0
			7.7	1100.0	
		7	7.7	1030.0	21.0
	81	5	8.0	1130.0	15.0
		7	7.9	1000.0	11.2
		10	7.4	1200.0	
WA10	74	10	8.0	1300.0	
	75	5	8.2	1200.0	
		9	8.3	1400.0	
	76	5	8.2	1250.0	
		10	8.2	1355.0	
	78	1	7.7	1400.0	21.0
		3	7.6		16.0
		9	7.5	1300.0	10.0
WA11	74	10	7.4	1500.0	
	75	5	8.4	1300.0	
		9	8.4	1400.0	
	76	5	8.4	1300.0	
		10	8.2	1646.0	
	78	1	7.9	1300.0	21.0
		3	7.5		15.0
		9	7.8	1320.0	7.8
	79	3			
WA12	74	10	7.3	1500.0	
	75	5	8.1	1400.0	
		9	8.5	1500.0	
	76	5	8.2	1350.0	
		10	8.0	1738.0	
	78	1	7.9	1250.0	21.0
		3	7.4		15.0
		9	7.7	1400.0	15.0
	79	3			
	80	4	7.8	1200.0	11.0

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
ALLUVIAL WELLS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
WA12	80	7	7.5	1360.0	16.0
	81	5	7.7	1460.0	15.0
		7	8.1	1240.0	9.5
		10	7.3	1490.0	
WA13	81	7			
WA56	80	8	7.3	1240.0	11.0
	81	7	8.0	1550.0	14.0
		10	7.7	1680.0	

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
ALLUVIAL WELLS

WELL	YR	MO	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
WA01	74	10			
	75	5			
		9			
	76	2			
		4			
		5			
		6			
		7			
		8			
		9			
		10			
	77	12	4.8		
	78	3	4.0		
		9	3.4		
	79	2			
		3			
		7			
	80	2			
		4	4.4		
		7	3.8		
	81	5	5.7	1.0	3.6
		7	4.5		
		10	2.6		
WA02	74	10			
	75	5			
		9			
	76	5			
		10			
	79	7			
	80	2			
		4			
		7	3.3		
	81	5	6.1	.5	307.0
		7	5.7		
		10	3.8		
WA03	74	10			

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
ALLUVIAL WELLS

WELL	YR	MO	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
WA03	75	9			
	76	2			
		4			
		5			
		6			
		7			
		8			
		9			
		10			
	78	1	6.4		
	79	3			
		7			
	80	2			
		4			
		7	4.0		
	81	7	4.8		
		10	3.6		
WA05	74	10			
	75	5			
		9			
	76	5			
		10			
	78	1	6.8		
	80	2			
		5			
		7	4.0		
	81	7	7.2		
		10	2.3		
WA06	74	10			
	75	9			
	76	2			
		4			
		5			
		6			
		7			
		8			
		9			

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
ALLUVIAL WELLS

WELL	YR	MO	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
WA06	76	10			
	78	1	6.8		
	79	3			
		7			
	80	2			
		5	6.0		
		7	3.0		
	81	7	3.5		
		10	2.8		
WA07	74	10			
	75	5			
		9			
	76	2			
		4			
		5			
		6			
		7			
		8			
		9			
		10			
	78	1	6.0		
	79	7			
	80	7	6.8		
	81	7	6.5		
		10	5.9		
WA08	74	10			
	75	5			
		9			
	76	5			
		10			
	78	1	6.5		
		3	5.9		
		9	6.7		
	80	5			
		7	5.8		
	81	7	10.5		
		10	5.8		

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
ALLUVIAL WELLS

WELL	YR	MO	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
WA09	74	10			
	75	5			
		9			
	76	5			
		10			
	78	1	6.8		
		3	8.8		
		9	11.2		
	79	3			
	80	2			
		4			
		7	5.3		
	81	5	8.2	.3	
		7	9.4		
		10	6.5		
WA10	74	10			
	75	5			
		9			
	76	5			
		10			
	78	1	6.7		
		3	8.3		
		9	9.0		
WA11	74	10			
	75	5			
		9			
	76	5			
		10			
	78	1	6.5		
		3	7.9		
		9	8.5		
	79	3			
WA12	74	10			
	75	5			
		9			
	76	5			
		10			
	78	1	6.6		

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
ALLUVIAL WELLS

WELL	YR	MO	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
WA12	78	3	6.2		
		9	7.3		
	79	3			
	80	4			
		7	7.2		
	81	5	8.1	.2	
		7	9.3		
		10	5.8		
WA13	81	7			
WA56	80	8	8.4		
	81	7	6.0		
		10	6.6		

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WA01	74	10		.320	-.100	.005	.20	660.0	-1.0	.030		270.0	80.0	80.0
	75	5		.060	.300	-.002	.04	630.0	12.0	.030		240.0	86.0	69.0
		9		.900	.300	.006	.02	620.0	23.0	.080		250.0	100.0	78.0
	76	2		.020	-.020		.02	708.0	6.0	.010		246.0	93.0	78.0
		4			-.050			690.0	9.0			254.0	95.0	73.0
		5			15.500	.001		595.0	7.0			240.0	84.0	59.0
		6			.010	.001		503.0	12.0			240.0	80.0	18.0
		7		.020	.010	.001	.01	709.0	2.0	.040		240.0	94.0	56.0
		8			.130	.001		678.0	8.0			244.0	100.0	75.0
		9			.120	.001		426.0	4.0			149.0	49.0	42.0
		10		.020	-.100	.002	.02	539.0	11.0	.030		240.0	85.0	57.0
	77	12	826.0	.200		.020	.50	826.0	1.0		540.0	260.0	94.0	31.0
	78	3	500.0	3.000	.170	-.020	-.50	500.0	-1.0	-.100	460.0	220.0	86.0	82.0
		9	550.0	.050	6.600	-.020	-.50	550.0	-1.0	.780	520.0	250.0	82.0	66.0
	79	2												
		3	360.0	-.100	.020	-.020	-.50	360.0	-1.0	.700	490.0	250.0	80.0	70.0
		7	500.0	-.100	.100	-.020	.80	430.0	70.0		460.0	280.0	65.0	76.0
	80	2	600.0	-.100	-.040	-.020	.50	600.0	-1.0		430.0	250.0	76.0	48.0
		4	600.0	-.100	.400	-.020	-.50	600.0	-1.0		410.0	250.0	80.0	33.0
		7	570.0	-.100	-.040	-.020	-.50	570.0	-1.0		490.0	250.0	77.0	69.0
	81	5	560.0	-.100	.040	-.020	-.50	500.0	62.0		570.0	270.0	90.0	79.0
		7	610.0	-.100	.040	-.020	-.50	560.0	48.0		580.0	270.0	91.0	80.0
		10	600.0	-.100	.050	-.020	-.50	560.0	36.0	.800	600.0	250.0	84.0	100.0
WA02	74	10		.340	.600	.010	.10	590.0	-1.0	.020		260.0	65.0	52.0
	75	5		3.000	1.100	.002	.20	580.0	10.0	.030		160.0	77.0	44.0
		9		.500	.200		.02	520.0	10.0	.030		140.0	83.0	47.0
	76	5			.400	-.001		525.0	9.0			138.0	68.0	44.0
		10		.050	.660	.001	.10	567.0		.006		138.0	73.0	43.0
	79	7	430.0	-.100	-.040	-.020	-.50	360.0	60.0		390.0	160.0	59.0	54.0
	80	2	460.0	-.100	.400	-.020	.50	460.0	-1.0		390.0	130.0	68.0	45.0
		4	470.0	-.100	.200	-.020	-.50	470.0	-1.0		590.0	130.0	71.0	120.0
		7	470.0	.100	.400	-.020	-.50	470.0	-1.0		440.0	130.0	72.0	58.0
	81	5	420.0	-.100	.050	-.020	-.50	320.0	100.0		550.0	130.0	80.0	89.0
		7	430.0	-.100	-.040	-.020	-.50	430.0	-1.0		580.0	120.0	86.0	91.0

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WA02	81	10	440.0	-.100	-.040	-.020	-.50	440.0	-1.0	.800	600.0	130.0	79.0	110.0
WA03	74	10		.140	-.100	.004	.20	560.0	-1.0	.020		250.0	45.0	58.0
	75	9		3.000	-.100		.02	550.0	5.0	.050		120.0	91.0	100.0
	76	2		.050	-.020		.03	555.0	3.0	.008		127.0	80.0	92.0
		4			-.020	-.050		600.0	-1.0			127.0	94.0	102.0
		5			.200	.001		500.0				123.0	77.0	81.0
		6			.010	.001		375.0	4.0			124.0	80.0	29.0
		7		.030	-.010	.001	.05	601.0		.008		124.0	93.0	71.0
		8			.170	.002		567.0	9.0			124.0	97.0	102.0
		9			.020	.001		581.0	8.0			125.0	86.0	99.0
		10		.200	-.100	.003	.06	446.0	3.0	.010		120.0	83.0	88.0
	78	1	674.0	.300		.020	.50	674.0	1.0		600.0	135.0	92.0	44.0
	79	3	510.0	-.100	.220	-.020	-.50	510.0	-1.0	.600	580.0	130.0	80.0	110.0
		7	450.0	-.100	-.040	-.020	-.50	380.0	70.0		540.0	140.0	60.0	110.0
	80	2	480.0	-.100	-.040	-.020	.50	480.0	-1.0		470.0	130.0	71.0	71.0
		4	480.0	-.100	-.040	-.020	-.50	480.0	-1.0		720.0	130.0	72.0	170.0
		7	490.0	-.100	-.040	-.020	-.50	490.0	-1.0		550.0	120.0	78.0	93.0
	81	7	500.0	-.100	.400	-.020	-.50	500.0	-1.0		640.0	140.0	88.0	110.0
		10	490.0	-.100	-.040	-.020	-.50	490.0	-1.0	.900	640.0	130.0	82.0	120.0
WA05	74	10		.060	-.100	.050	.60	520.0	-1.0	.090		290.0	64.0	36.0
	75	5		.010	.700	.003	.02	620.0	18.0	.020		170.0	82.0	76.0
		9		.400	.200	.004	.05	440.0	5.0	.020		130.0	91.0	80.0
	76	5			.100	.002		561.0				157.0	64.0	68.0
		10		.020	-.100	.005	.01	647.0		.040		160.0	73.0	68.0
	78	1	703.0	.100		.020	1.00	703.0	1.0		490.0	161.0	69.0	75.0
	80	2	540.0	-.100	-.040	-.020	-.50	540.0	-1.0		390.0	150.0	64.0	52.0
		5	470.0	-.100	.040	-.020	-.50	470.0	-1.0		560.0	150.0	58.0	130.0
		7	520.0	-.100	-.040	-.020	-.50	520.0	-1.0		460.0	150.0	61.0	83.0
	81	7	550.0	-.100	.040	-.020	-.50	550.0	-1.0		540.0	170.0	78.0	88.0
		10	550.0	-.100	-.040	-.020	-.50	550.0	-1.0	.800	580.0	160.0	74.0	110.0
WA06	74	10		-.050	.100	.004	.03	670.0	-1.0	.020		300.0	70.0	30.0
	75	9			.500	-.002	.06	580.0	10.0	.006		180.0	94.0	69.0
	76	2		.020	-.020		.03	726.0	9.0	.050		177.0	86.0	90.0

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WA06	76	4			-.050	-.050		670.0	-1.0			183.0	93.0	83.0
		5			.200	.001		616.0				188.0	77.0	69.0
		6			.060	.002		482.0	9.0			177.0	79.0	21.0
		7		.100	-.010	.002	.01	689.0		.030		177.0	92.0	52.0
		8			.110	.001		659.0	9.0			170.0	92.0	74.0
		9			-.010	.002		640.0	6.0			168.0	79.0	74.0
		10			-.100	.004	.02	683.0		.030		168.0	78.0	73.0
	78	1	750.0	.100		.020	.50	741.0	9.0		500.0	184.0	72.0	41.0
	79	3	580.0	-.100	.050	-.020	-.50	580.0	-1.0	.500	460.0	180.0	70.0	70.0
		7	520.0	-.100	-.040	-.020	-.50	460.0	60.0		460.0	170.0	53.0	67.0
	80	2	540.0	-.100	-.040	-.020	-.50	540.0	-1.0		390.0	160.0	66.0	48.0
		5	560.0	-.100	.300	-.020	.70	500.0	60.0		580.0	160.0	68.0	120.0
		7	550.0	.100	-.040	-.020	-.50	550.0	-1.0		490.0	160.0	69.0	83.0
	81	7	510.0	-.100	.040	-.020	-.50	510.0	-1.0		490.0	160.0	74.0	75.0
		10	540.0	-.100	-.040	-.020	-.50	540.0	-1.0	.700	550.0	160.0	73.0	100.0
WA07	74	10		-.050	.100	-.010	.40	400.0	18.0	.050		380.0	20.0	16.0
	75	5		.100	5.200	-.002	.04	460.0	-1.0	.050		140.0	53.0	71.0
		9		.700	.200	.003	.08	360.0	4.0	.100		140.0	62.0	54.0
	76	2		.300	-.020		.08	476.0	3.0	.080		137.0	63.0	80.0
		4			-.050	-.050		500.0	3.0			142.0	64.0	83.0
		5			.300	.001		494.0				141.0	55.0	65.0
		6			.100	.001		320.0	5.0			137.0	49.0	24.0
		7		.020	-.010	.001	.05	471.0	5.0	.040		135.0	56.0	54.0
		8			.120	.001		466.0	7.0			134.0	62.0	83.0
		9			-.010	.002		479.0	6.0			138.0	51.0	78.0
		10		.030	-.100	.003	.03	494.0		.060		142.0	55.0	69.0
	78	1	560.0	.100		.020	.50	560.0	1.0		480.0	136.0	51.0	30.0
	79	7	310.0	-.100	.080	-.020	-.50	250.0	60.0		320.0	130.0	40.0	60.0
	80	7	350.0	-.100	-.040	-.020	-.50	350.0	-1.0		340.0	120.0	37.0	74.0
	81	7	390.0	-.100	.040	-.020	-.50	390.0	-1.0		420.0	140.0	55.0	78.0
		10	400.0	-.100	-.040	-.020	-.50	400.0	-1.0	1.000	500.0	140.0	56.0	110.0
WA08	74	10		-.050	.100	.004	.10	630.0	-1.0	.009		290.0	60.0	56.0
	75	5		.100	2.700	-.002	.04	460.0	12.0	.080		93.0	91.0	84.0
		9		.300	.200	.005	.04	460.0	15.0	.030		130.0	90.0	94.0
	76	5			.300	.001		491.0	2.0			122.0	80.0	82.0
		10		.090	-.100	.002	.02	531.0		.020		124.0	83.0	78.0

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WA08	78	1	560.0	.100		.020	.50	551.0	9.0		570.0	137.0	73.0	54.0
		3	480.0	.200	.080	-.020	-.50	475.0	8.0	.600	530.0	88.0	78.0	95.0
		9	430.0	.050	3.800	-.020	-.50	430.0	-1.0	.700	530.0	130.0	80.0	83.0
	80	5	410.0	1.500	.060	-.020	.50	410.0	-1.0		620.0	110.0	60.0	150.0
		7	420.0	-.100	-.040	-.020	-.50	420.0	-1.0		520.0	130.0	69.0	93.0
	81	7	260.0	-.100	-.040	-.020	-.50	260.0	-1.0		570.0	120.0	82.0	93.0
		10	460.0	-.100	.040	-.020	-.50	460.0	-1.0	.900	590.0	140.0	84.0	99.0
WA09	74	10		-.050	.200	.003	.20	450.0	-1.0	.009		150.0	57.0	49.0
	75	5		.100	2.700	.003	.02	440.0	9.0	.020		93.0	72.0	45.0
		9		.300	.200	.008	.03	480.0		.020		130.0	92.0	81.0
	76	5			.300	.001		411.0	8.0			98.0	64.0	70.0
		10		.100	-.100	.002	.01	464.0		.020		102.0	69.0	68.0
	78	1	465.0	.600		.020	1.50	465.0	1.0		460.0	114.0	6.8	45.0
		3	430.0	.100	-.040	-.020	-.50	430.0	-1.0	.500	440.0	99.0	72.0	84.0
		9	380.0	.700	.250	-.020	.50	380.0	-1.0	.600	480.0	100.0	66.0	77.0
	79	3	360.0	-.100	.220	-.020	-.50	360.0	-1.0	-.100	600.0	150.0	90.0	90.0
	80	2	340.0	-.100	-.040	-.020	-.50	340.0	-1.0		360.0	100.0	57.0	50.0
		4	380.0	-.100	-.040	-.020	-.50	380.0	-1.0		600.0	110.0	60.0	140.0
		7	390.0	-.100	-.040	-.020	.50	390.0	-1.0		420.0	110.0	61.0	67.0
	81	5	400.0	-.100	-.040	-.020	-.50	330.0	68.0		520.0	120.0	74.0	86.0
		7	380.0	-.100	-.040	-.020	-.50	380.0	-1.0		510.0	110.0	75.0	82.0
		10	400.0	-.100	-.040	-.020	-.50	400.0	-1.0	.900	570.0	110.0	71.0	110.0
WA10	74	10		.250	-.100	.001	.05	440.0	-1.0	.020		160.0	79.0	69.0
	75	5		.300	.100	.003	.02	460.0	-1.0	.020		110.0	99.0	48.0
		9			.600	.008	.03	450.0	4.0	.100		190.0	92.0	64.0
	76	5			.300	.001		531.0				134.0	88.0	80.0
		10		.100	-.100	.002	.04	445.0		.020		106.0	83.0	80.0
	78	1	541.0	.100		.020	1.00	541.0	1.0		590.0	142.0	72.0	45.0
		3	510.0	.100	-.040	-.020	-.50	510.0	-1.0	.500	500.0	120.0	79.0	110.0
		9	450.0	.050	1.000	-.020	-.50	420.0	30.0	.880	460.0	130.0	75.0	91.0
WA11	74	10		.520	-.100	.009	.10	480.0	-1.0	.050		180.0	85.0	61.0
	75	5		.100	.400	.003	.03	490.0	6.0	.030		140.0	100.0	50.0
		9		.100	.200	.002	.02	450.0	5.0	.060		140.0	110.0	78.0
	76	5			.300	.001		512.0				145.0	103.0	78.0

NOTE: - INDICATES LESS THAN

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ALLUVIAL WELLS

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WA11	76	10		.020	-.100	.004	.03	519.0		.020		142.0	98.0	80.0
	78	1	532.0	1.100		.020	.50	532.0	1.0		630.0	154.0	98.0	45.0
		3	490.0	.040	.220	-.020	-.50	490.0	-1.0	.600	630.0	130.0	96.0	88.0
		9	420.0	.090	4.400	-.020	-.50	420.0	-1.0	.820	530.0	150.0	94.0	80.0
	79	3	420.0	.400	.050	-.020	-.50	420.0	-1.0	.800	480.0	110.0	64.0	76.0
WA12	74	10		.170	.100	.008	.04	580.0	-1.0	.005		730.0	53.0	100.0
	75	5		.100	1.100	-.002	.02	500.0	-1.0	.020		150.0	110.0	50.0
		9		.100	-.100	.009	.07	540.0	11.0	.080		140.0	120.0	100.0
	76	5			.300	.001		567.0				143.0	110.0	85.0
		10		.200	-.100	.003	.05	580.0		.010		142.0	98.0	86.0
	78	1	617.0	.010		.020	2.00	617.0	1.0		650.0	159.0	97.0	53.0
		3	460.0	.200	-.040	-.020	-.50	460.0	-1.0	.600	580.0	130.0	97.0	110.0
		9	510.0	.200	.001	-.020	.70	510.0	-1.0	.590	580.0	140.0	94.0	95.0
	79	3	470.0	-.100	.040	-.020	-.50	470.0	-1.0	1.000	640.0	150.0	90.0	100.0
	80	4	470.0	-.100	-.040	-.020	.60	390.0	80.0		740.0	140.0	84.0	160.0
		7	450.0	.200	-.040	-.020	-.50	450.0	-1.0		600.0	140.0	89.0	93.0
	81	5	490.0	-.100	-.040	-.020	-.50	450.0	40.0		750.0	160.0	110.0	120.0
		7	490.0	-.100	-.040	-.020	-.50	490.0	-1.0		730.0	140.0	110.0	110.0
		10	500.0	-.100	-.040	-.020	-.50	500.0	-1.0	.800	690.0	140.0	100.0	110.0
WA13	81	7												
WA56	80	8	420.0	-.100	6.000	-.020	-.50	420.0	-1.0		340.0	190.0	40.0	69.0
	81	7	720.0	-.100	.300	-.020	-.50	650.0	68.0		250.0	310.0	37.0	41.0
		10	780.0	-.100	.050	-.020	-.50	730.0	52.0	.800	190.0	370.0	22.0	40.0

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ALLUVIAL WELLS

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHEN (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WA01	74	10	.020	.30				.60	1300.0	1.0	530.0	15.0		-.010	.050
	75	5	.040	-.10			2.0	.19	1200.0	.4	420.0	12.0		-.010	.010
		9	.020	.40			2.0	.30	1300.0	1.0	440.0	19.0		-.100	.010
	76	2	.040	.05			1.6	.01	1269.0	1.4	463.0	14.0		.020	.020
		4		.08			1.7		1285.0	1.3	480.0	15.0			
		5		-.04			1.7		1163.0	1.6	447.0	12.0			
		6		.14			1.6		1092.0	.9	460.0	15.0			
		7	.040	-.02			1.6	.10	1252.0	1.8	474.0	15.0		.010	.020
		8		.04			1.6		1271.0	1.8	470.0	15.0			
		9		-.04			.9		749.0	.8	274.0	6.0			
		10	.020	1.80			2.0	.08	1167.0	1.3	469.0	16.0		.010	.080
	77	12	.020	.10	1.0		1.6	.12		5.0	-.1	20.0	16.0	.020	.020
	78	3	-.200	.60	7.0	.0020	2.0	.04		4.0	140.0	18.0	18.0	.070	.010
		9	.040	.44	8.0	.0110	1.6	.56		5.0	420.0	16.0	10.0	-.020	-.020
	79	2													
		3	.020	.40	20.0	-.0010	2.0	.20		5.0	420.0	30.0	10.0	-.020	-.020
		7	-.020	-.10	28.0	.0020	2.1	.30		4.2	440.0	22.0	10.0	-.020	-.020
	80	2	-.010	.10	16.0	.0020	2.0	.30	1200.0	4.4	510.0	25.0	-1.0	-.010	-.020
		4	-.010	-.10	3.0	.0020	3.2	.20	1300.0	3.2	420.0	59.0	2.0	-.020	-.020
		7	.020	-.50	1.0	.0060	1.8	.30	1300.0	5.4	310.0	17.0	-1.0	-.020	-.020
	81	5	.010	-.50	4.0	-.0010	3.8	.20	1600.0	2.8	460.0	19.0	-1.0	-.020	-.020
		7	-.010	-.50	-10.0	-.0010	6.3	.10	1200.0	2.7	460.0	18.0	-50.0	-.020	-.020
		10	-.010	-.50	-10.0	-.0010	2.0	.30	1200.0	2.8	410.0	19.0	-50.0	-.020	-.020
WA02	74	10	.005	.60				1.70	1100.0	2.0	410.0	10.0		-.010	.030
	75	5		.90			1.0	.10	820.0	10.0	210.0	4.0		-.010	.020
		9	.040	2.90			1.0	.20	850.0	2.0	200.0	6.0		-.100	.010
	76	5		-.04			.7		769.0	3.3	218.0	4.4			
		10	.020	.65			.7		805.0	1.9	232.0	6.0		.002	.020
	79	7	-.020	26.00	13.0	.0100	1.4	.10		9.9	260.0	9.3	2.1	-.020	-.020
	80	2	-.010	-.10	15.0	.0020	1.2	.10	830.0	11.0	330.0	15.0	50.0	-.010	-.020
		4	-.010	-.10	34.0	.0030	2.7	.10	900.0	8.6	300.0	58.0	-1.0	-.020	-.020
		7	-.010	-.50	11.0	.0010	.9	.10	870.0	11.0	220.0	7.3	-1.0	-.020	-.020
	81	5	-.010	-.50	-1.0	-.0010	3.3	-.10	850.0	3.7	290.0	13.0	-1.0	-.020	-.020
		7	-.010	.70	-10.0	-.0010	5.0	-.10	910.0	3.5	350.0	13.0	-50.0	-.020	.020

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WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHEN (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WA02	81	10	-.010	-.50		-.0010	1.9	.10	930.0	3.5	330.0	12.0	-50.0	-.020	-.020
WA03	74	10	.020	3.00				.70	1000.0	2.0	400.0	8.0		-.010	.100
	75	9	-.007	2.00			1.0	.10	990.0	1.0	330.0	7.0		-.100	.020
	76	2		.46			1.1	.01	950.0	2.0	346.0	10.0		.030	.100
		4		.03			1.3		1022.0	1.9	370.0	16.0			
		5		-.04			1.3		894.0	2.7	346.0	.9			
		6		1.08			1.3		807.0	1.7	360.0	7.0			
		7	.020	1.59			1.4	.03	972.0	2.6	361.0	9.0		.020	.040
		8		-.02			1.3		993.0	2.6	352.0	8.0			
		9		.12			1.3		993.0	2.3	359.0	8.0			
		10	.020	.61			1.0	.10	902.0	2.2	358.0	10.0		.007	.020
	78	1	.020	3.40	1.0		1.6	.04		5.4	383.0	11.0	24.0	.040	.020
	79	3	-.020	2.00	20.0	.0010	1.0	.10		6.0	350.0	23.0	20.0	-.020	-.020
		7	-.020	-.10	63.0	.0500	1.7	.10		5.4	350.0	14.0	10.0	-.020	-.020
	80	2	-.010	-.10	12.0	.0020	1.5	.20	1000.0	5.7	430.0	26.0	2.0	-.010	-.020
		4	-.010	-.10	15.0	.0020	2.9	.10	1000.0	6.1	320.0	61.0	48.0	-.020	.020
		7	-.010	-.50	15.0	.0010	1.4	.10	1000.0	6.9	220.0	11.0	-1.0	-.020	-.020
	81	7	-.010	2.00	-10.0	-.0010	4.6	.10	1000.0	3.7	370.0	12.0	-50.0	-.020	-.020
		10	-.010	2.00	-10.0	-.0010	1.6	.10	990.0	3.8	350.0	12.0	-50.0	-.020	-.020
WA05	74	10	.020	2.20				1.20	1200.0	4.0	500.0	15.0		-.010	.100
	75	5	.010	1.50			3.0	.25	940.0	1.0	260.0	12.0		-.010	-.010
		9	.060	7.80			1.0	.50	880.0	1.0	370.0	6.0		-.010	.020
	76	5		-.04			2.1		851.0	1.4	263.0	3.0			
		10	.030	1.35			2.0	.10	941.0	.9	290.0	12.0		.009	.030
	78	1	.020	4.90	4.0		1.9	.08		3.0	251.0	14.0	16.0	.020	.020
	80	2	.020	-.10	7.0	.0030	4.0	.10	950.0	4.0	310.0	29.0	8.0	-.010	-.010
		5	-.010	16.00	14.0	-.0010	3.7	.10	990.0	3.3	320.0	65.0	70.0	-.020	-.020
		7	.020	-.50	10.0	-.0010	2.2	.20	920.0	4.4	200.0	13.0	8.0	-.020	-.020
	81	7	.010	1.10	-10.0	-.0010	5.8	.20	950.0	2.2	300.0	14.0	-50.0	-.020	-.020
		10	-.010	.90	-10.0	-.0010	2.5	.20	960.0	2.4	240.0	14.0	-50.0	-.020	-.020
WA06	74	10		3.50				1.40	1200.0	3.0	400.0	17.0		-.010	.090
	75	9	.040	5.20			5.0	.60	1200.0	.9	330.0	19.0		-.010	.010
	76	2	.050	.28			1.7	.08	1147.0	1.8	385.0	21.0		.040	.100

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WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHEN (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WA06	76	4		.09			1.6		1080.0	1.4	360.0	12.0			
		5		.20			1.5		1039.0	1.8	370.0	9.0			
		6		2.43			1.6		912.0	1.2	353.0	16.0			
		7	.030	.50			1.6	.10	1018.0	1.8	321.0	16.0		.020	.020
		8		.02			1.6		1010.0	1.7	305.0	12.0			
		9		-.04			1.5		986.0	1.5	307.0	13.0			
		10	.040	.18			2.0	.06	992.0	1.3	300.0	14.0		.010	.030
	78	1	.020	1.90	17.0		1.8	.10		3.3	268.0	17.0	4.0	.020	.020
	79	3	.020	1.00	9.0	.0070	2.0	.10		5.0	300.0	26.0	8.0	-.020	-.020
		7	-.020	-.10	6.6	.0500	1.8	.20		3.6	280.0	18.0	6.2	-.020	-.020
	80	2	-.010	-.10	4.0	.0090	2.8	.10	950.0	4.7	350.0	20.0	-1.0	-.010	.030
		5	.020	.50	2.0	-.0010	2.8	.20	990.0	3.1	260.0	57.0	35.0	-.020	-.020
		7	-.010	-.50	7.0	-.0010	1.7	.20	930.0	5.0	230.0	13.0	13.0	-.020	-.020
	81	7	-.010	1.30	-10.0	.0010	5.8	.20	910.0	2.2	210.0	16.0	-50.0	-.020	-.020
		10	-.010	1.80	-50.0	-.0010	1.9	.20	930.0	2.6	240.0	14.0	-50.0	-.020	-.020
WA07	74	10	.010	4.30				1.40	1200.0	2.0	480.0	11.0		-.010	.090
	75	5		1.50			1.0	.25	780.0	1.0	260.0	23.0		-.010	.005
		9	.040	2.90			1.0	.50	850.0	2.0	300.0	27.0		-.010	.040
	76	2	.090	.16			.9	.30	844.0	1.8	282.0	29.0		.040	.050
		4		.03			1.1		878.0	1.7	300.0	23.0			
		5		.22			1.0		774.0	2.8	230.0	23.0			
		6		2.88			1.2		696.0	1.4	281.0	25.0			
		7	.020	2.32			1.1	.10	805.0	2.0	281.0	24.0		.030	.010
		8		-.02			1.1		819.0	2.0	258.0	24.0			
		9		-.04			1.0		853.0	1.8	307.0	18.0			
		10	.070	.60			1.0	.08	855.0	2.0	313.0	13.0			.090
	78	1	.020	6.20	31.0		1.8	.04		3.3	313.0	16.0	16.0	.020	.020
	79	7	-.020	-.10	15.0	.0300	1.2	.04		4.2	250.0	14.0	8.6	-.020	-.020
	80	7	-.010	-.50	9.0	-.0010	1.1	.10	700.0	4.7	130.0	15.0	6.0	-.020	-.020
	81	7	-.010	1.10	-10.0	.0020	4.2	.20	780.0	2.8	240.0	17.0	-50.0	-.020	-.020
		10	-.010	8.90	-10.0	-.0010	1.2	.20	810.0	3.3	250.0	18.0	-50.0	-.020	-.020
WA08	74	10	.010	3.50				.70	1200.0	.8	480.0	4.0		-.010	.070
	75	5		5.20			2.0	.17	880.0	2.0	350.0	5.0		-.010	.020
		9	.040	4.20			2.0	-.10	1200.0	2.0	370.0	5.0		-.010	.040
	76	5		.56			1.6		895.0	2.2	346.0	4.4			
		10	.020	.83			2.0	.06	973.0	1.1	403.0	6.0		.030	.009

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ALLUVIAL WELLS

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHEN (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WA08	78	1	.020	13.30	10.0		1.9	.08		2.5	416.0	11.0	8.0	.040	.020
		3	-.020	6.00	10.0		2.0	-.04		4.0	440.0	6.0	20.0	-.020	-.020
		9	.080	3.10	9.0	.0030	1.8	-.04		5.0	410.0	7.0	8.0	-.020	-.020
	80	5	-.010	3.50	21.0	-.0010	3.2	-.10	900.0	3.3	350.0	67.0	60.0	-.020	-.020
		7	-.010	.90	10.0	-.0010	1.9	.10	930.0	4.6	230.0	6.4	10.0	-.020	-.020
	81	7	-.010	2.40	-10.0	.0010	5.0	.10	810.0	2.3	340.0	6.3	-50.0	-.020	-.020
		10	-.010	1.80	-10.0	-.0010	2.2	.10	960.0	2.9	400.0	7.0	-50.0	-.020	.020
WA09	74	10	.020	6.60				.70	860.0		360.0	4.0		-.010	.010
	75	5	.020	4.60			2.0	.18	720.0	1.0	260.0	5.0		-.010	.005
		9	.090	1.50			1.0	.70	960.0	2.0	360.0	6.0		-.010	.020
	76	5		2.88			.8		713.0	2.3	255.0	2.0			
		10	.020	.65			.7	.06	790.0	1.1	300.0	6.0		.010	.040
	78	1	.020	8.10	14.0		1.5	.04		2.6	417.0	8.0	4.0	.020	.020
		3	-.020	6.00	35.0		.9	-.04		4.0	410.0	6.0	20.0	-.020	-.020
		9	-.020	4.90	13.0	.0020	.8	1.10		5.0	140.0	6.0	50.0	-.020	.060
	79	3	-.020	2.00	10.0	.0040	3.0	-.04		6.0	450.0	18.0	20.0	-.020	-.020
	80	2	-.010	-.10	2.0	-.0010	2.6	.10	820.0	4.7	350.0	13.0	-1.0	-.010	-.010
		4	-.010	5.80	10.0	.0010	2.4	-.10	850.0	4.4	310.0	62.0	-1.0	-.020	-.020
		7	-.010	1.60	-1.0	-.0010	.9	.10	820.0	5.0	230.0	5.8	-1.0	-.020	-.020
	81	5	-.010	4.00	14.0	-.0010	2.7	-.10	770.0	2.9	240.0	7.2	-1.0	-.020	-.020
		7	-.010	4.10	-10.0	.0010	3.8	.10	790.0	2.6	310.0	6.4	-50.0	-.020	-.020
		10	-.010	3.70	-10.0	-.0010	1.0	.20	1200.0	2.9	280.0	8.2	-50.0	-.020	.020
WA10	74	10		9.10				.70	1000.0	.7	450.0	5.0		-.010	.030
	75	5		.60			2.0	.17	940.0	2.0	430.0	4.0		-.010	.010
		9	.010	6.80			2.0	.80	1100.0	1.0	420.0	23.0		-.010	.010
	76	5		2.08			1.4		967.0	2.5	379.0	6.0			
		10	.020	1.20			1.0		929.0	1.1	418.0	6.0		.010	.030
	78	1	.020	5.90	32.0		1.8	.04		2.5	407.0	8.5	24.0	.020	.020
		3	.020	4.00	33.0		2.0	.04		4.0	350.0	6.0	28.0	.020	-.020
		9	-.020	5.80	5.0	.0230	1.4	.09		5.0	340.0	5.5	8.0	-.010	-.020
WA11	74	10	.200	3.10				.60	1100.0	3.0	480.0	4.0		-.010	.200
	75	5		1.40			2.0	.40	1000.0	3.0	440.0	6.0		-.010	.020
		9	.020	3.30			2.0	.50	1100.0	2.0	450.0	7.0		-.010	.040
	76	5		.16			1.6		1045.0	3.2	444.0	7.0			

NOTE: - INDICATES LESS THAN

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QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHEN (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WA11	76	10	.100	1.70			2.0	.08	1074.0	1.8	472.0	8.0		.010	.020
	78	1	.020	4.00	15.0		1.8	.04		2.8	539.0	10.0	4.0	.040	.020
		3	-.020	4.00	1.0		2.0	.04		5.0	320.0	9.0	4.0	-.020	-.020
		9	.040	1.80	7.0	-.0010	1.8	.56		6.0	430.0	8.0	9.0	-.020	-.020
	79	3	-.020	4.00	3.0	.0010	.9	-.04		5.0	280.0	26.0	8.0	-.020	-.020
WA12	74	10		2.90				1.20	1200.0	3.0	480.0	4.0		-.010	.030
	75	5	.020	.90			2.0	5.20	1100.0	1.0	490.0	10.0		-.010	.005
		9	.060	2.90			2.0	.20	1100.0	3.0	490.0	6.0		-.100	.030
	76	5		-.04			1.4		1091.0	3.2	453.0	4.0			
		10	.030	1.00			2.0	.01	1082.0	1.8	446.0	6.0		.010	.040
	78	1	.020	4.20	9.0		1.8	.04		3.0	518.0	10.0	16.0	.020	.020
		3	.020	3.00	6.0		2.0	.09		5.0	440.0	9.0	16.0	-.020	-.020
		9	.050	1.80	16.0	-.0010	1.7	.04		6.0	420.0	8.0	2.0	-.020	.020
	79	3	.020	3.00	4.0	-.0010	2.0	-.04		6.0	440.0	16.0	10.0	-.020	-.020
	80	4	-.010	-.10	26.0	-.0010	3.0	-.10	1200.0	5.9	430.0	55.0	37.0	-.020	-.020
		7	-.010	-.50	5.0	.0060	1.7	.10	1200.0	6.9	310.0	8.5	4.0	-.020	-.020
	81	5	-.010	1.30	-1.0	-.0010	3.3	.10	1100.0	3.8	530.0	9.1	-1.0	-.020	-.020
		7	-.010	1.80	-10.0	.0020	5.0	.10	1100.0	3.9	540.0	9.1	-50.0	-.020	.020
		10	-.010	1.70	-10.0	-.0010	1.9	.10	1200.0	3.9	460.0	8.2	-50.0	-.020	.030
WA13	81	7													
WA56	80	8	.010	6.70	2.0	-.0010	1.1	.30	870.0	3.3	250.0	20.0	20.0	-.020	-.020
	81	7	.010	2.90	-10.0	-.0010	6.7	.60	1000.0	1.3	160.0	11.0	-50.0	-.020	.020
		10	-.010	7.10	-10.0	-.0010	1.1	.60	1100.0	1.5	200.0	9.5	-50.0	-.020	.020

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ALLUVIAL WELLS

WELL	YR	MO	SIO2 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WA01	74	10	17.0		-.10		.00030			.500	.030	-.50	.500	9.40	3.40
	75	5	15.0		-.10		.00020	.004		.200	-.010	-.50	.030	-.05	1.20
		9	17.0		-.10		-.00010			.020	-.010	-.50	.100	.09	.70
	76	2	17.0		.03			.030		.020	.080	-.50	-.100	-.10	.70
		4	16.0		-.02							-.50	.400	-.10	.90
		5	17.0		.04							-.50	.400	-.10	.60
		6	16.0		.02							-.50	.400	-.10	.60
		7	18.0		.02					.020	-.020	-.50	.400	-.10	.80
		8	21.0		.07							-.50	.400	-.10	.80
		9	12.0		.04							-.50	.400	-.10	.40
		10	19.0		.01		.00006	-.006		.020	-.010	-.50	.400	-.10	1.00
	77	12			-.10	.10			.200	.020	.100	.02	.200	.04	.91
	78	3				.17			.060	.210	.300	.02	.400	.02	.96
		9				1.50	-.02000	.020	-.020	.040	-.050	-.02	.300	-.50	.60
	79	2					-.00100	-.002							
		3				4.00	-.02000	-.020	-.020	.060	-.020	-.02	.300	-.50	.90
		7							.007		-.020	-.02	.300	-.50	.90
	80	2				2.00	-.00200	-.001	-.010	-.020	.020	-.05	.300	.02	1.10
		4				.40	.00020	-.010	-.010	-.010	-.020	-.05	-.020	-.02	1.10
							-.00200	-.001							
		7				.30	-.00020	-.010	-.010	-.020	-.020	-.05	.300	-.02	.50
	81	5				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	.300	.02	.90
		7				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	.300	-.02	.90
		10				.10	-.00020	-.010	-.010	.030	-.020	-.05	.280	.02	1.00
WA02	74	10	22.0		1.10		.00020			.050	.030	-.50	1.500	3.50	5.00
	75	5	30.0		-.10		.00010			1.000	.020	-.50	.200	-.05	2.00
		9	27.0		.10		-.00010			.010	.010	-.50	.090	.20	1.50
	76	5	24.0		.14							-.50	.200	.10	1.60
		10	30.0		-.01		.00002	-.001		.050	-.002	-.50	.200	-.10	1.80
	79	7							.010		-.020	-.02	.200	-.50	1.50
	80	2				3.60	-.00200	-.001	-.010	.020	-.020	-.05	.100	-.02	1.50
							-.00100	-.002							
		4				1.40	.00020	-.010	-.010	.020	.020	-.05	.080	-.02	1.30
		7				.60	-.00020	-.010	-.010	-.020	-.020	-.05	.100	-.02	2.00
	81	5				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	.050	.02	.50
		7				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	.040	-.02	.40
		10				.10	-.00020	-.010	-.010	.030	-.020	-.05	-.020	.02	.50

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ALLUVIAL WELLS

WELL	YR	MO	SIO2 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WA03	74	10	18.0		.30		.00030			.300	.030	-.50	2.200	-.05	1.90
	75	9	15.0		-.10		.00010			.050	.010	-.50	.010	.30	.36
	76	2	16.0		.03			-.007		.030	.020	-.50	-.100	.20	.30
		4	15.0		-.02							-.50	-.100	-.10	.40
		5	16.0		.06							-.50	-.100	-.10	.40
		6	15.0		-.02							-.50	-.100	-.10	.30
		7	15.0		.03					.020	.040	-.50	-.100	-.10	.30
		8	19.0		.04							-.50	-.100	-.10	.40
		9	19.0		.03							-.50	-.100	-.10	.40
		10	17.0		-.01		.00097	-.002		.070	-.006	-.50	-.100	-.10	.40
	78	1				.20			.060	.020	.090	.02	.020	.06	.42
	79	3				4.00	-.02000	-.020	-.020	-.020	-.020	-.02	-.020	-.50	.48
		7							.010		-.020	-.02	.020	-.50	.40
	80	2				.80	-.00100	-.002	-.010	-.020	.020	-.05	-.020	-.02	.60
							-.00200	-.001							
		4				.50	.00020	.010	-.010	.020	.020	-.05	.030	.02	.40
		7				.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.20
	81	7				.60	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.40
		10				-.10	-.00020	-.010	-.010	.030	-.020	-.05	-.020	.02	.50
WA05	74	10	17.0		.20		.00010	.060		1.000	.070	-.50	2.300	-.05	1.50
	75	5	20.0		-.10		.00040			.700	.010	-.50	.010	-.05	5.00
		9	13.0		-.10		-.00010			.020	.020	-.50	.004	-.05	.20
	76	5	17.0		.13							-.50	-.100	-.10	.40
		10	17.0		-.01		.00006	-.003		.040	-.008	-.50	-.100	-.10	.40
	78	1				.50			.080	.020	.050	.04	.040	.08	.40
	80	2				.10	-.02000	-.020	-.010	-.010	.020	-.05	.040	-.02	.60
		5				.10	.00020	-.010	-.010	.010	.020	-.05	-.020	.02	.50
		7				.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.70
	81	7				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.50
		10				-.10	-.00020	-.010	-.010	.030	.020	-.05	-.020	-.02	.60
WA06	74	10	20.0		.30		.00170			.200	.100	-.50	.300	-.05	1.90
	75	9	18.0		-.10		-.00010			.020	.003	-.50	.200	.20	.36
	76	2	18.0		.06			.020		.020	.020	-.50	-.100	.20	.30
		4	17.0		-.02							-.50	.200	-.10	.40
		5	19.0		.06							-.50	.100	-.10	.50
		6	17.0		.07							-.50	.100	-.10	.30

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ALLUVIAL WELLS

WELL	YR	MO	SIO2 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WA06	76	7	18.0		.05					.060	-.020	-.50	.100	-.10	.40
		8	21.0		.06							-.50	.100	-.10	.40
		9	21.0		.08							-.50	.100	-.10	.40
		10	20.0		-.01		.00017	-.004		.050	-.010	-.50	.100	-.10	.50
	78	1				.20			.100	.020	.100	.03	.060	.03	.48
	79	3				4.00	-.02000	-.020	-.020	-.020	-.020	-.02	.100	-.50	.53
		7							.010		-.020	-.02	.100	-.50	.40
	80	2				.10	-.02000	-.020	-.010	.010	.020	-.05	.100	-.02	.60
		5				.40	-.00020	-.010	-.010	-.010	-.020	-.05	.080	.02	.50
		7				.10	-.00020	-.010	-.010	-.020	-.020	-.05	.100	-.02	.50
	81	7				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	.100	-.02	.40
		10				-.10	-.00020	-.010	-.010	.030	-.020	-.05	.080	-.02	.50
WA07	74	10	41.0		.40		.00017			.200	-.010	-.50	.120	-.05	1.90
	75	5	15.0		-.10		.04800			.030	-.010	-.50	.003	-.05	.20
		9	14.0		-.10		.00020	.004		.100	.010	-.50	.020	-.05	.13
	76	2	14.0		.03			-.020		.030	.010	-.50	-.100	.30	-.10
		4	15.0		-.02							-.50	-.100	-.10	.20
		5	14.0		.12							-.50	-.100	-.10	.20
		6	15.0		-.02							-.50	-.100	-.10	.20
		7	15.0		-.02					.020	-.030	-.50	-.100	-.10	.20
		8	19.0		-.02							-.50	-.100	-.10	.20
		9	17.0		.45							-.50	-.100	-.10	.20
		10	17.0		-.01		.00007	-.003		.040	.010	-.50	-.100	-.10	.10
	78	1				.10			.100	.020	.100	.02	.050	.04	.20
	79	7				1.90			.004		.050	.02	-.020	-.50	.20
	80	7				.30	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.30
	81	7				.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.10
		10				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.20
WA08	74	10	16.0		-.10		.00030			.060	.020	-.50	2.100	-.05	.80
	75	5	15.0		-.10		.00130	.004		.300	.020	-.50	.006	-.05	.20
		9	15.0		-.10		.00010	.003		.200	.010	-.50	.006	-.05	.20
	76	5	14.0		.09							-.50	-.100	-.10	.20
		10	15.0		-.01		.00042	-.004		.050	-.010	-.50	-.100	-.10	.20
	78	1				.40			.100	.020	.050	.02	.050	.02	.30
		3				.18			.020	.030	.100	.01	.100	.20	.20
		9				-1.00	-.02000	-.020	.020	.040	-.050	-.02	-.020	-.50	.10
	80	5				.30	.00020	.010	-.010	.010	.020	-.05	-.020	-.02	.30

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ALLUVIAL WELLS

WELL	YR	MO	SIO2 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WA08	80	5													
		7				.10	-.00020	-.005	-.010	-.020	-.020	-.05	-.020	-.02	.40
	81	7				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.20
		10				.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.30
WA09	74	10	14.0		-.10		.00010			.100	.010	-.50	.700	-.05	.80
	75	5	16.0		-.10		.04300			.400	.010	-.50	.007	.14	.20
		9	16.0		-.10		-.00010			1.000	.010	-.50	.009	-.05	.30
	76	5	11.0		.08							-.50	-.100	.10	.20
		10	15.0		-.01		.00011	.002		.090	.005	-.50	-.100	-.10	.20
	78	1				.10			.100	.020	.030	.03	.020	.05	.20
		3				.07			.080	.030	.100	.02	.070	-.02	.20
		9				.20	-.02000	-.020	-.020	.300	-.050	-.02	.080	-.50	.20
	79	3				5.00	-.02000	-.020	-.010	.100	-.020	-.02	-.020	-.50	.21
	80	2				2.20	-.02000	-.020	-.010	.010	-.020	-.05	-.020	-.02	.30
		4				.07	.00020	-.010	-.010	.010	.020	-.05	-.020	.02	.20
		7				.40	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.10
	81	5				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	.03	.20
		7				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.20
		10				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.20
WA10	74	10	14.0		-.10		-.00010			.050	.010	-.50	.920	.17	.80
	75	5	15.0		-.10		.00320	-.007		2.000	.030	-.50	.010	-.05	.20
		9	11.0		-.10		.00040			.020	.009	-.50	.100	-.05	.30
	76	5	15.0		.04							-.50	-.100	.10	.30
		10	15.0		-.01		.00006	-.002		.040	-.004	-.50	-.100	-.10	.20
	78	1				.40			.100	.020	.100	.02	.020	.03	.30
		3							.060	.060	.100	-.02	.070	.08	.30
		9				.90	-.02000	.030		.020	.040	-.02	-.020	-.50	.30
WA11	74	10	14.0		-.10		.00030			.400	.200	-.50	.520	1.30	.50
	75	5	13.0		-.10		.00110			.070	.010	-.50	.030	.05	.20
		9	15.0		-.10		.00020			.020	.004	-.50	.010	-.05	.20
	76	5	12.0		.07							-.50	-.100	.10	.20
		10	15.0		.04		.00023	-.003		.070	-.008	-.50	-.100	-.10	.20
	78	1				.10			.060	.100	.200	.04	.030	.09	.20
		3				.32			.040	.030	-.100	.02	.070	-.02	.20
		9				.50	-.02000	-.020	-.020	.020	-.050	-.02	-.020	-.50	.20
	79	3				4.00	-.02000	-.020	-.010	-.020	-.020	-.02	-.020	-.50	.21

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ALLUVIAL WELLS

WELL	YR	MO	SIO2 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WA12	74	10	15.0		-.10		.00020			.400	.070	-.50	.090	2.80	.70
	75	5	15.0		-.10		.00240			.300	-.010	-.50	.003	-.05	1.70
		9	15.0		-.10					1.000	.020	-.50	.020	-.05	.20
	76	5	14.0		.12							-.50	-.100	-.10	.20
		10	15.0		.02		.00102	-.008		.050	.020	-.50	-.100	.10	.20
	78	1				.10			.060	.020	.070	.04	.020	.01	.20
		3				.10			.080	.040	.100	.02	.090	.05	.20
		9				.60	-.02000	-.020	-.020	.020	-.050	-.02	-.020	-.50	.20
	79	3				2.00	-.02000	-.020	-.010	-.020	-.020	-.02	-.020	-.50	.22
	80	4				.07	.00020	.020	-.010	.020	.020	-.05	-.020	-.02	.30
		7				.30	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.10
	81	5				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	.03	.20
		7				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.10
		10				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.20
WA13	81	7													
WA56	80	8				6.90	-.00020	-.010	-.010	-.020	-.020	-.05	.500	.02	2.00
	81	7				.40	-.00020	-.010	-.010	-.020	-.020	-.05	.100	-.02	2.40
		10				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	.020	.03	13.00

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	W (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
WA01	74	10	.004				.050			1.000	.010		.020	.020	-.001
	75	5	.030		.020		.003			.020	-.002			-.002	
		9	.020				.010			.080	-.002			.006	
	76	2	.005		.020		.003		-.002	.060	-.002		-.006	.002	
		4													
		5													
		6													
		7	.010				.002		.004	.100	-.008		-.010	.002	
		8													
		9													
		10	.002		.002		.002		.002	.030	-.004		.002	.001	
	77	12													
	78	3													
		9													
	79	2													
		3													
		7													
	80	2													
		4													
		7													
	81	5													
		7													
		10													
WA02	74	10			.005	.003	.020	.003	.010	.400	.005		.050	.020	-.001
	75	5	.003		-.002		.020		-.002	.070	-.004		-.007	.002	
		9	.002				.010			.300	-.002			-.002	
	76	5													
		10	.001		.001		.003		.001	.050	-.001		.001	-.001	
	79	7													
	80	2													
		4													
		7													
	81	5													
		7													
		10													

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	W (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
WA03	74	10	.003			.006	.010				.005		.020	.010	.001
	75	9	.002				.010			.800	-.002			.006	-.002
	76	2	.003		.006	.002	.010		-.002	.300	-.002		-.010	.006	
		4													
		5													
		6													
		7	.006				.006		.005	.060	-.005		-.005	.003	
		8													
		9													
		10	.004		.002	-.001	.003		-.001	.100	-.003		-.003	.001	
	78	1													
	79	3													
		7													
	80	2													
		4													
		7													
	81	7													
		10													
WA05	74	10	.010		.010	.004	.050	.030	.030	1.000	.010		.040	.030	
	75	5	.020		-.002		.003			.030	-.002		-.002	.005	
		9					.020			.200	.008			.008	
	76	5													
		10	.010		.002		.004			.040	-.003		.002	.004	
	78	1													
	80	2													
		5													
		7													
	81	7													
		10													
WA06	74	10	.002			.001	.004			.080	.005		.004	.002	
	75	9	.001		.001		.004			.600	-.002		-.001	.003	
	76	2	.006		.005	-.003	.004		.003	.090	-.003		.008	.009	-.001
		4													
		5													
		6													
		7	.010				.003		-.004	.100	-.009		-.004	.003	

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	W (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
WA06	76	8													
		9													
		10	.002		.004		.002		-.002	.070	-.005		-.002	.006	
	78	1													
	79	3													
		7													
	80	2													
		5													
		7													
	81	7													
		10													
WA07	74	10	.002			.001	.030	.005	.002	.100	.003		.004	.006	
	75	5	.020		.040		.006			.030	-.002			.003	
		9	.002		.002		.010			.500	-.004		-.002	.004	
	76	2			.006	-.001	.010			1.000	-.003		-.006	.030	
		4													
		5													
		6													
		7	.005				.006	.005	.006	.040	-.010		-.005	.006	
		8													
		9													
		10	.004		.003		.004			.100	-.003			.002	
	78	1													
	79	7													
	80	7													
	81	7													
		10													
WA08	74	10	.001		.004	.004	.030	.002	.001	.300	.004		.010	.030	-.001
	75	5	.020		.020		.030				-.005		-.006	.005	
		9	.002				.010				-.004		-.002	.005	
	76	5													
		10	.002		-.002		.002		-.002	.030	-.004		-.003	.006	
	78	1													
		3													
		9													
	80	5													
		7													

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	W (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
WA08	81	7													
		10													
WA09	74	10	.002		.010	.002	.020		.004	.300	.002		.020	.020	.001
	75	5	.006		.002		.006			.030	-.002		-.002	.005	
		9					.020			.700	-.005		-.006	.005	
	76	5													
		10	.002		-.001		.005	-.001	-.001	.030	-.002		-.001	.009	
	78	1													
		3													
		9													
	79	3													
	80	2													
		4													
		7													
	81	5													
		7													
		10													
WA10	74	10	.001		.002	.002	.700	.020		.100	.002		.003	.009	-.001
	75	5	.004		.004		.003			.080	-.002		-.002	.003	
		9	.030		.004		.010			.600	-.002		-.003	.002	
	76	5													
		10	.002		.001		.005		.001	.030	-.002		.001	.004	
	78	1													
		3													
		9													
WA11	74	10						.060		2.000	.009		.020	.200	
	75	5					.004			.030	-.005		.002	.006	
		9	.005				.002			.100	-.001		-.001	.003	
	76	5													
		10	.002		.001		.003		.002	.050	-.003		.003	.005	
	78	1													
		3													
		9													
	79	3													
WA12	74	10				.007	.009			.400	.020		.009	.010	
	75	5	.003				.006		-.002	.010	.006			-.002	

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	W (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
WA12	75	9	.010				.040			1.000	-.004			.008	
	76	5													
		10	.004		.040		.005		.004	.060	-.009		-.010	.001	
	78	1													
		3													
		9													
	79	3													
	80	4													
		7													
	81	5													
		7													
		10													
WA13	81	7													
WA56	80	8											-.020		
	81	7													
		10													

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WA01	74	10	-.1						4.0			
	75	5	-.1						2.0			
		9	-.1						13.0	11.0		
	76	2										
		4										
		5							3.4	11.0		
		6										
		7										
		8										
		9										
		10							18.0			
	77	12										
	78	3										
		9							27.0	82.0	1.2	
	79	2										
		3							20.0	38.0	1.1	
		7										
	80	2										
		4										
		7										
	81	5							8.0	5.0		
		7					-.10					
		10					-.10		-5.0	1.0	1.3	
WA02	74	10	-.1						2.0			
	75	5	-.1						6.0			
		9	-.1						5.0	12.0		
	76	5							.1			
		10							4.5	7.0		
	79	7										
	80	2										
		4										
		7										
	81	5							2.0			
		7										
							-.10					
		10					-.10		-5.0	1.0	-.4	

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WA03	74	10	-.1									
	75	9	-.1						1.0	6.0		
	76	2										
		4										
		5							2.1	3.0		
		6										
		7										
		8										
		9										
		10							11.0	8.0		
	78	1										
	79	3							9.0			
		7										
	80	2										
		4										
		7										
	81	7					-.10					
		10					-1.00		-4.0	-2.0	.2	
WA05	74	10	-.1									
	75	5	-.1						6.0			
		9	.1						4.0			
	76	5							2.9			
		10							6.9	13.0		
	78	1										
	80	2										
		5								6.0		
		7										
	81	7					-.10					
		10					-.10		-3.0	1.0	.6	
WA06	74	10	-.1						3.0			
	75	9	-.1						7.0			
	76	2										
		4										
		5							3.0			
		6										

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WA06	76	7										
		8										
		9										
		10							11.0	11.0		
	78	1										
	79	3							21.0	4.0		
		7										
	80	2										
		5							.1			
		7										
	81	7					-.10					
		10					-.10		-2.0	2.0	-.5	
WA07	74	10	-.1						14.0	6.0		
	75	5	-.1						4.0			
		9	-.1						7.0			
	76	2										
		4										
		5							11.0			
		6										
		7										
		8										
		9										
		10							8.1			
	78	1										
	79	7										
	80	7										
	81	7					-.10					
		10					-.10		-2.0	-2.0	.4	
WA08	74	10	-.1							9.0		
	75	5	-.1						10.0			
		9	1.7						7.0			
	76	5							5.7			
		10							8.0	9.0		
	78	1								14.0		
		3										
		9								24.0	-1.0	
	80	5							1.9			

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WA08	80	5										
		7										
	81	7					-.10					
		10					-.10		-3.0	5.0	-.5	
WA09	74	10	-.7									
	75	5	-.1						6.0			
		9	-.1						2.0			
	76	5							1.3			
		10							3.5			
	78	1										
		3										
		9							190.0	18.0	2.5	
	79	3							8.1	5.0		
	80	2										
		4										
		7										
	81	5								-2.0		
		7					-.10			-2.0		
		10					-.10		-3.0	2.0	-.5	
WA10	74	10	-.1						2.0			
	75	5	-.1						9.0			
		9	-.1						5.0			
	76	5							2.6			
		10							6.1			
	78	1								1.0		
		3										
		9								12.0		
WA11	74	10	-.1						5.0			
	75	5	-.1						7.0			
		9	-.1						3.0	3.0		
	76	5							9.0			
		10							6.4	5.0		
	78	1							3.1			
		3										
		9								23.0		
	79	3										

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WA12	74	10	-.1						2.0			
	75	5	-.1						4.0			
		9	-.1						3.0			
	76	5							3.3	11.0		
		10							6.3			
	78	1							1.6			
		3										
		9							13.0	5.6		
	79	3							1.9	26.0		
	80	4										
		7										
	81	5							-4.0	8.0		
		7					-.10					
									-4.0	8.0		
		10					-.10		-5.0	-4.0		
WA13	81	7							-1.0	2.0		
WA56	80	8										
	81	7					-.10					
		10					-.10		-3.0	-3.0	.2	

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S2O3 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WA01	74	10						.050						
	75	5						.008						.007
		9						.010						.020
	76	2				6.0		.010						-.001
		4				9.3								
		5				3.7								
		6				4.2								
		7						.030						.003
		8				9.0								
		9												
		10						.010						-.001
	77	12			.020			.020		1220.0				
	78	3			.040			-.020		1230.0				
		9	-1.00		-.020	23.0		-.020	42.0	1300.0				
	79	2												
		3	-1.00	-1.0	-.020		.04	-.020	.9	1200.0				
		7			-.020			-.020		1300.0				
	80	2			-.010			.020						
		4	-1.00	7.0	-.010	-1.0		-.020						
						2.9								
		7			-.010			-.020						
	81	5			-.010	-1.0		-.020				3.6		
		7			-.010			-.020						
		10	-1.00	-1.0	-.010	-1.0		-.020						
WA02	74	10						.050						
	75	5						.010						
		9						.010						
	76	5				2.4								
		10			.003									-.001
	79	7			-.020			-.020		830.0				
	80	2			-.010			.020						
		4	-1.00	-1.0	-.010	8.0		-.020						
						1.9								
		7			-.010			-.020						
	81	5			-.010	-1.0		-.020				307.0		
		7			-.010			-.020						
						2.8								
		10	-1.00	1.0	-.010	-1.0		-.020						

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S2O3 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WA03	74	10						.070						
	75	9						.010						
	76	2				3.0		.020						.007
		4				8.2								
		5				2.8								
		6				3.9								
		7				7.0		.008						.004
		8												
		9												
		10			-.006			.010						.001
	78	1			.020			.020		920.0				
	79	3	-1.00	-1.0	-.020		.04	-.020	.9	920.0				
		7			-.020			-.020		980.0				
	80	2			-.010			.030						
		4	-1.00	2.0	-.010	-1.0		-.020						
						2.0								
		7			-.010			-.020						
	81	7			-.010			-.020						
		10	-1.00	-1.0	-.010	-1.0		-.020						
WA05	74	10						.090						
	75	5				5.0		.004						-.002
		9						.006						
	76	5				7.8								
		10						.006						-.001
	78	1			.020			.020		867.0				
	80	2			-.010			.040						
		5	-1.00	-1.0	-.010	2.0		-.020						
						2.8								
		7			-.010			-.020						
	81	7			-.010			-.020						
		10	-1.00	-1.0	-.010	1.0		-.020						
WA06	74	10						.020						
	75	9						.003						
	76	2				5.0		.030						
		4				9.2								
		5				5.1								
		6				5.6								

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S203 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WA06	76	7				7.0		.020						-.003
		8												
		9												
		10						.020						-.002
	78	1			.020			.020		986.0				
	79	3	-1.00	-1.0	-.020		.04	-.020	.9	1000.0				
		7			-.020			-.020		930.0				
	80	2			-.010			.050						
		5	-1.00	-1.0	-.010	-1.0		-.020						
						3.2								
		7			-.010			-.020						
	81	7			-.010			-.020						
		10	-1.00	-1.0	-.010	2.0		-.020						
WA07	74	10						.020						
	75	5						.003						.010
		9						.008						
	76	2				7.0		.030						.002
		4				8.5								
		5												
		6												
		7				4.7		.007						-.004
		8				11.0								
		9												
		10												.001
	78	1			.020			.020		794.0				
	79	7			-.020			-.020		710.0				
	80	7			-.010			-.020						
	81	7			-.010			-.020						
		10	-1.00	4.0	-.010	5.0		.020						
WA08	74	10						.010						.002
	75	5						.020						.030
		9						.008						
	76	5												
		10			-.009			.010						-.002
	78	1	-1.00		.020	39.0		.020		940.0				
		3			.020			-.020		970.0				
		9	-1.00	-1.0	-.020	-1.0	-1.00	-.020	-1.0	1000.0				
	80	5	-1.00	-1.0	-.100	-1.0		-.020						

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S2O3 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WA08	80	5				1.5								
		7			-.010			-.020						
	81	7			-.010			-.020						
		10	-1.00	-1.0	-.010	1.0		.020						
WA09	74	10						.040						
	75	5						.004						
		9						.009						
	76	5												
		10			.005			.010						-.001
	78	1	-1.00		.020	30.0		.020		771.0				
		3			.020			-.020		980.0				
		9			-.020			-.020		840.0				
	79	3	-1.00	-1.0	-.020		-.05	-.020	-1.0	1000.0				
	80	2			-.010			.060						
		4	-1.00	8.0	-.010	2.0		-.020						
						1.0								
		7			-.010			-.020						
	81	5			-.010	-1.0		-.020						
		7			-.010			-.020						
		10	-1.00	6.0	-.010	7.0		.020						
WA10	74	10						.020						
	75	5						.020						.007
		9						.008						.020
	76	5												
		10						.004						.001
	78	1	-1.00		.040	37.0		.020		933.0				
		3			-.020			-.020		970.0				
		9	-1.00		-.020	19.0		-.020	29.0	1000.0				
WA11	74	10						.100						
	75	5						.009						
		9						.004						
	76	5												
		10						.010						-.001
	78	1	-1.00		.020	39.0		.020		1060.0				
		3			-.020			-.020		1200.0				
		9	-1.00		-.020	13.0		-.020	33.0	1100.0				
	79	3	-1.00	-1.0	-.020		-.05	-.020	-1.0	820.0				

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S203 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WA12	74	10						.020						
	75	5						.010						.007
		9						.020						.030
	76	5												
		10			-.030			.020						.006
	78	1	-1.00		.020	38.0		.020		1090.0				
		3			-.020			-.020		1400.0				
		9	1.00		-.020	12.0		-.020	36.0	1200.0				
	79	3	-1.00	-1.0	-.020		-.05	-.020	-1.0	1200.0				
	80	4	-1.00	-1.0	-.010	3.0		-.020						
		7			-.010			-.020						
	81	5			-.010	-1.0		-.020						
		7			-.010			-.020						
		10	-1.00	6.0	-.010	5.0		.030						
WA13	81	7												
WA56	80	8			-.010			-.020						
	81	7			-.010			-.020						
		10	-1.00	5.0	-.010	10.0		.030						

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
UPPER AQUIFERS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
WX02	74	11	8.9	1600.0		
	75	4	8.7	1600.0		
		10	9.1	1600.0		
	76	10	8.9	1583.0		
	77	11	8.8	1550.0	20.0	4.6
	78	5	8.8	1800.0	4.6	12.0
		11	8.6	1500.0	12.0	4.0
	79	5				
		12				
	80	6	8.3	1650.0	14.0	4.3
WX04	74	11	8.4	800.0		
	75	4	8.7	800.0		
		10	8.8	800.0		
	76	10	8.6	890.0		
	77	11	7.4	700.0	18.0	
	78	5	8.0	900.0	17.0	3.1
	79	12				
	80	6	7.6	935.0	19.0	3.5
WX10	75	4	8.6	1300.0		
		10	8.4	1300.0		
	76	10	8.3	1458.0		
	78	6	7.1	1500.0	17.0	2.4
		11	7.6	1500.0	14.0	3.0
	79	5				
WX12	75	4	8.7	1200.0		
		10	8.7	1200.0		
	76	5	8.3	1000.0		
		10	8.6	1347.0		
	77	11	8.3	1200.0	17.0	4.1
	78	5	7.9	1200.0	18.0	8.0
		11	7.6	1200.0	10.0	2.0
	79	5				
		12				
	80	5	8.0	1510.0	17.0	3.1
WX14	80	8	7.4	1310.0	18.0	6.2
WX17	75	4	8.8	4200.0		
		10	9.0	2500.0		
	76	5	8.8	1200.0		

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
UPPER AQUIFERS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
WX17	76	10	8.9	1661.0		
	77	11	9.0	1550.0	16.0	1.4
	78	5	8.5	1700.0	16.0	2.5
		11	8.2	1450.0	16.0	1.0
	79	5				
		12				
WX18	74	11	8.2			
	75	5	8.7	900.0		
		10	8.8	800.0		
	76	10	8.8	1019.0		
	79	12				
	80	6	7.6	1110.0	17.5	4.6
WX19	74	11	8.4	2800.0		
	75	4	8.6	2800.0		
		10	9.0	2600.0		
	76	10	8.8	2864.0		
	78	6	7.9	2700.0	18.0	.5
		11	8.7	2900.0	8.0	2.0
	79	5				
		12				
WX20	75	4	8.7	2800.0		
		10	9.0	2600.0		
	76	5	8.4	2500.0		
		10	8.8	2845.0		
	77	11				
	78	5	8.1	2600.0	18.0	.8
		11	8.0	1800.0	14.0	2.0
	79	5				
WX21	75	4	8.5	1000.0		
		10	8.9	900.0		
	76	10	8.7	1055.0		
	78	5	8.8	825.0	14.0	2.5
	79	5				
		12				
	80	6	7.8	1320.0	18.0	7.1
WX32	80	2				
	82	11	9.1	930.0	14.0	

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
UPPER AQUIFERS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
WX33	80	2				
WX38	81	7	12.1	3710.0	20.0	5.2
WX44	74	11	8.6	1200.0		
	75	4	8.5	1200.0		
		10	8.5	1400.0		
	76	5	8.4	1400.0		
		10	8.6	1595.0		
	78	5	7.8	1400.0	19.0	3.6
	79	5				
		12				
	81	7	8.0	1280.0	24.0	1.6
	82	5	8.0	1120.0	12.2	
		8	8.3	1230.0		
		12	8.4	1290.0	10.0	
WX55	75	4	8.9	1600.0		
		10	8.7	2000.0		
	76	10	8.4	1890.0		
	77	11	8.5	1100.0	19.0	3.6
	78	5	8.6	1180.0	12.0	3.8
		11	8.1	1100.0	5.5	3.0
	79	5				
		12				
	80	6	7.7	2290.0	23.0	2.5
WX63	75	4	8.3	1500.0		
		10	8.4	1600.0		
	76	5	8.3	1500.0		
		10	8.7	1584.0		
	77	11	9.4	1250.0	14.0	3.2
	78	5	8.6	1200.0	16.5	3.7
		11	7.8	1300.0	12.0	2.0
	79	5				
		12				
WX82	75	4	8.8	2100.0		
		10	8.8	1800.0		
WX92	74	11	8.5	1600.0		
	75	4	8.1	2000.0		
		10	8.4	1800.0		

Cb-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
UPPER AQUIFERS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
WX92	76	5	8.1	1500.0		
		10	8.3	1822.0		
	77	11	7.6	2000.0	14.0	2.8
	78	5	8.3	2000.0	22.0	3.6
		11	8.7	1500.0	12.0	2.0
	79	5				
		12				
	80	6	6.9	2240.0	14.0	.8

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WX02	74	11			.500	.020	.04	500.0	24.0	.030	39.0	380.0	4.0	6.0
	75	4			.500	.020	.10	550.0	46.0	.030	24.0	350.0	3.0	3.0
		10		.500	.600	.005	.02	500.0	22.0	.010	48.0	370.0	4.0	5.0
	76	10		.030	.190	.005	.03	558.0	18.0	.010		367.0	4.0	6.0
	77	11	640.0	.400		-.020	-.50	600.0	38.0		36.0	340.0	4.1	8.0
	78	5	500.0	.400	.710	-.020	.50	460.0	40.0	-.100	44.0	390.0	5.0	18.0
		11	450.0	.200	.160	-.020	-.50	390.0	60.0	-.100	42.0	370.0	6.0	10.0
	79	5	500.0	-.100	.200	-.020	-.50	380.0	110.0	-.100	65.0	370.0	3.7	5.1
		12	500.0	-.100	-.040	-.020	-.50	380.0	120.0	-.100	39.0	370.0	4.7	7.8
	80	6	520.0	-.100	.300	-.020	-.50	410.0	110.0	-.100	40.0	360.0	5.6	6.8
WX04	74	11			.400	.010	.02	350.0	5.0	.030	180.0	130.0	23.0	22.0
	75	4		.300	.400	.020	.20	400.0	8.0	.060	170.0	150.0	25.0	23.0
		10		.500	.600	.005	.03	340.0	10.0	.050	190.0	140.0	27.0	20.0
	76	10		.040	.140	.005	.10	344.0	22.0	.003		140.0	26.0	24.0
	77	11	420.0	.200		-.020	-.50	410.0	8.0		176.0	135.0	22.0	23.0
	78	5	280.0	.200	-.040	-.020	-.50	260.0	20.0	-.100	130.0	180.0	2.0	6.0
	79	12	310.0	-.100	.600	-.020	-.50	250.0	60.0	-.100	130.0	110.0	19.0	21.0
	80	6	310.0	-.100	.800	-.020	.80	310.0	-1.0	-.100	100.0	140.0	12.0	22.0
WX10	75	4		.060	1.700	.006	.02	440.0	12.0	.020	370.0	180.0	50.0	57.0
		10		3.000	.800	.030	.04	400.0	3.0	.200	380.0	190.0	58.0	58.0
	76	10		.100	.160	.006	.04	357.0	7.0	.020		186.0	58.0	37.0
	78	6	420.0	.100	.300	-.020	-.50	400.0	20.0	.300	400.0	1500.0	36.0	54.0
		11	410.0	.300	.730	-.020	-.50	410.0	-1.0	-.100	430.0	220.0	62.0	73.0
	79	5	370.0	-.100	.200	-.020	-.50	340.0	30.0	.200	300.0	190.0	41.0	51.0
WX12	75	4		.900	.500	.030	.04	580.0	24.0	.020	270.0	230.0	43.0	29.0
		10		4.000	.400	.004	.02	510.0	12.0	.020	60.0	220.0	56.0	30.0
	76	5		.020	1.500	.006	.02	573.0	3.0	.006		200.0	48.0	41.0
		10		.020	.370	.009	.06	539.0	11.0	.009		204.0	53.0	27.0
	77	11	640.0	.300		-.020	-.50	605.0	30.0		290.0	190.0	44.0	28.0
	78	5	490.0	.100	3.340	-.200	-.50	490.0	-1.0	.300	300.0	360.0	10.0	34.0
		11	480.0	.200	.540	-.020	-.50	430.0	50.0	-.100	330.0	230.0	60.0	34.0
	79	5	780.0	-.100	1.000	-.020	-.50	740.0	50.0	-.100	140.0	420.0	12.0	11.0
		12	500.0	-.100	.700	-.020	-.50	410.0	90.0	-.100	150.0	240.0	27.0	17.0
	80	5	650.0	-.100	1.000	-.020	-.50	390.0	260.0	-.100	74.0	230.0	13.0	8.2
WX14	80	8	380.0	-.100	.100	-.020	-.50	380.0	-1.0	-.100	380.0	180.0	51.0	70.0

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WX17	75	4		.070	7.900	.030	.10	2100.0	60.0	.200	84.0	1200.0	7.0	7.0
		10		.100	1.900	.020	.30	890.0	32.0	.050	72.0	44.0	8.0	21.0
	76	5		.020		.020	.06	604.0	15.0	.030		296.0	2.2	4.0
		10		.060	.430	.008	.10	883.0	28.0	.010		330.0	3.0	9.0
	77	11	1140.0	.500		-.020	1.30	1080.0	61.0		34.0	420.0	4.0	9.0
	78	5	840.0	.300	2.360	-.020	-.50	760.0	80.0	-.100	50.0	2200.0	5.0	6.0
		11	1500.0	.200	1.400	-.020	-.50	1370.0	130.0	-.100	200.0	440.0	4.0	7.0
	79	5	900.0	-.100	1.300	-.020	-.50	810.0	90.0	-.100	60.0	410.0	3.1	5.7
		12	750.0	-.100	1.300	-.020	-.50	620.0	130.0	-.100	25.0	380.0	2.9	5.2
WX18	74	11		.500		.020	.03	470.0		.010		140.0	30.0	24.0
	75	5		.030	1.000	.006	.04	460.0	18.0	.008	240.0	150.0	37.0	29.0
		10		.200	.600	.006	.04	420.0	11.0	.010	190.0	150.0	29.0	19.0
	76	10		.040	3.100	.003	.05	411.0	17.0	.004		148.0	35.0	26.0
	79	12	400.0	-.100	-.040	-.020	-.50	300.0	100.0	-.100	69.0	140.0	14.0	4.6
	80	6	440.0	-.100	.100	-.020	-.50	370.0	70.0	-.100	320.0	150.0	46.0	51.0
WX19	74	11			.100	-.001	.20	1800.0	66.0	.010	29.0	760.0	3.0	7.0
	75	4		.050	1.100	.002	.20	2000.0	24.0	.008	36.0	780.0	3.0	5.0
		10		.300	1.500	.001	.10	1600.0	76.0	.020	32.0	910.0	3.0	5.0
	76	10		.003	1.200	.001	.30	1780.0	42.0	.006		760.0	3.0	5.0
	78	6	900.0	.100	1.680	-.020	1.00	820.0	80.0	-.100	40.0	2300.0	2.0	4.0
		11	1500.0	-.020	2.100	-.020	2.00	1300.0	200.0	-.100	50.0	840.0	4.0	10.0
	79	5	1500.0	-.100	1.500	-.020	1.70	1300.0	200.0	-.100	50.0	740.0	3.2	9.3
		12	1400.0	-.100	2.200	-.020	3.20	1200.0	200.0	-.100	28.0	700.0	2.8	6.7
			400.0	-.100	1.200	-.020	3.40	330.0	68.0	-.100	27.0	730.0	2.7	6.4
WX20	75	4		.040	1.400	.004	.30	2000.0	32.0	.010	32.0	770.0	3.0	4.0
		10		.500	1.000	.004	.30	1600.0	74.0	.030	32.0	760.0	3.0	4.0
	76	5		.003	4.100	.003	.20	1870.0	20.0	.010		752.0	2.9	5.6
		10		.020	.600	-.002	.40	1780.0	42.0	.006		737.0	3.0	5.0
	77	11	2120.0	.400		-.020	2.00	2110.0	15.0		40.0	700.0	3.2	6.2
	78	5	1650.0	.100	1.380	-.200	1.00	1420.0	230.0	-.100	62.0	2000.0	2.0	7.0
		11	1500.0	.100	1.900	-.020	3.00	1420.0	80.0	-.100	40.0	840.0	4.0	9.0
	79	5	1500.0	-.100	1.300	-.020	2.00	1400.0	160.0	-.100	70.0	740.0	3.0	8.3
WX21	75	4		.060	.400	.006	.10	500.0	9.0	.020	160.0	190.0	25.0	19.0
		10		.100	.400	.008	.01	420.0	16.0	.020	140.0	180.0	20.0	16.0
	76	10		.040	3.000	.006	.09	465.0	11.0	.004		183.0	24.0	20.0

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WX21	78	6	420.0	.200	.300	-.020	-.50	340.0	80.0	.400	150.0	2000.0	15.0	16.0
	79	5	420.0	-.100	.500	-.020	-.50	360.0	60.0	-.100	160.0	170.0	21.0	19.0
		12	390.0	-.100	.200	-.020	-.50	310.0	80.0	-.100	170.0	160.0	27.0	25.0
	80	6	430.0	-.100	-.040	-.020	-.50	360.0	70.0	-.100	170.0	170.0	27.0	24.0
WX32	80	2	1200.0	-.100	1.500	-.020	1.00	1100.0	100.0	-.100	37.0	540.0	5.6	5.7
	82	11	500.0	-.100	.100	-.020	-.50	480.0	20.0	-.100	41.0	260.0	6.0	6.7
WX33	80	2	1100.0	-.100	1.300	-.200	.80	1000.0	100.0	-.100	41.0	460.0	6.4	5.9
WX38	81	7	790.0	-.100	2.300	-.020	.60	-1.0	790.0	-.100	700.0	200.0	.2	280.0
WX44	74	11		.900	.200	.060	.02	450.0	9.0	.020	150.0	220.0	23.0	15.0
	75	4		.080	1.100	.020	.06	460.0	9.0	.020	300.0	230.0	45.0	44.0
		10		.070	.800	.040	.05	410.0	7.0	.050	340.0	210.0	54.0	51.0
	76	5			1.800	.013		451.0	3.3			200.0	50.0	52.0
		10		.020	.220	.004	.08	478.0	8.0	.005		228.0	45.0	30.0
	78	5	410.0	.700		-.020	.50	370.0	40.0	-.100	410.0	200.0	14.0	57.0
	79	5	390.0	-.100	.700	-.020	-.50	370.0	20.0	-.100	420.0	230.0	50.0	54.0
		12	470.0	-.100	.200	-.020	1.40	350.0	120.0	-.100	300.0	220.0	44.0	47.0
	81	7	590.0	-.100	.700	-.020	-.50	490.0	96.0	-.100	240.0	260.0	36.0	35.0
	82	5	670.0	-.100	1.200	-.020	-.50	650.0	3.0	-.100	72.0	310.0	10.9	11.0
		8	460.0	-.100	.800	-.020	-.50	450.0	10.0	-.100	190.0	320.0	29.0	27.0
		12	380.0	-.100	.500	-.020	-.50	380.0	-1.0	-.100	300.0	240.0	48.0	39.0
WX55	75	4		.040	.700	.020		820.0	36.0	.050	340.0	350.0	70.0	16.0
		10		.400	2.000	.006	.03	1100.0	24.0	.030	280.0	410.0	51.0	23.0
	76	10		.030	2.480	.050	.20	1010.0	11.0	.007		348.0	57.0	43.0
	77	11	800.0	.500		-.020	.80	760.0	34.0		52.0	280.0	4.8	6.3
	78	5	600.0	.300	.960	-.020	6.00	580.0	20.0	-.100	44.0	320.0	6.0	16.0
		11	550.0	-.020	1.600	-.020	.60	460.0	90.0	-.100	38.0	370.0	6.0	8.0
	79	5	470.0	-.100	.800	-.020	-.50	420.0	50.0	-.100	550.0	200.0	69.0	30.0
		12	600.0	.100	.200	.040	1.30	470.0	130.0	-.100	36.0	280.0	5.0	6.1
	80	6	470.0	-.100	1.100	-.020	1.60	430.0	38.0	-.100	150.0	190.0	98.0	43.0
WX63	75	4		.500	1.800	.009	.06	440.0	6.0	.010	560.0	180.0	99.0	74.0
		10		.005	.800	.004	.02	440.0	6.0	.010	630.0	180.0	120.0	76.0
	76	5		.010	2.400	.001	.20	461.0	4.2	.010		176.0	88.0	72.0
		10		.040	.280	.005	.05	407.0	10.0	.004		181.0	90.0	55.0

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WX63	77	11	720.0	.300		-.020	.50	660.0	49.0		20.0	320.0	2.0	3.0
	78	5	670.0	.300	.900	-.020	6.00	630.0	40.0	-.100	42.0	350.0	4.0	5.9
		11	610.0	-.020	.470	-.020	-.50	540.0	60.0	-.100	350.0	200.0	5.0	10.0
	79	5	560.0	-.100	1.100	-.020	-.50	430.0	130.0	-.100	40.0	320.0	1.6	4.2
		12	600.0	-.100	1.100	-.020	-.50	340.0	260.0	-.100	15.0	260.0	1.5	3.4
WX82	75	4		.040	1.600	.030	.60	1300.0	42.0	.050	180.0	510.0	27.0	20.0
		10		.400	.900	.020	.10	1100.0	30.0	.020	190.0	430.0	25.0	18.0
WX92	74	11		.700	.200	.009	.07	740.0	12.0	.030	570.0	270.0	100.0	117.0
	75	4		.050	.800	.010	.10	820.0	-1.0	.030	640.0	220.0	150.0	84.0
		10		.300	.500	.003	.03	640.0	6.0	.060	720.0	210.0	140.0	77.0
	76	5		.007	1.100	.005	.01	793.0		.020		200.0	129.0	100.0
		10		.030	.320	.020	.03	677.0	6.0	.090		195.0	133.0	92.0
	77	11	780.0	.300		-.020	.50	780.0	2.0		780.0	180.0	127.0	52.0
	78	5	850.0	.500	1.250	-.020	.70	760.0	90.0	-.100	28.0	400.0	41.0	6.0
		11	780.0	-.020	1.700	.040	.70	710.0	70.0	-.100	20.0	440.0	3.0	6.0
	79	5	600.0	-.100	.400	-.020	-.50	600.0	-1.0	-.100	800.0	190.0	110.0	88.0
		12	610.0	-.100	.200	-.020	1.00	610.0	-1.0	-.100	690.0	210.0	120.0	78.0
	80	6	600.0	-.100	.100	-.020	.60	600.0	-1.0	-.100	680.0	180.0	110.0	90.0

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WX02	74	11	.040	.30			3.0	2.90	1000.0	.7	330.0	10.0		.300	3.000
	75	4	.040	1.20			6.0	.10	1000.0	.8	300.0	11.0		-.010	.050
		10	.009	.30			3.0	1.60	980.0	2.0	320.0	11.0		-.010	.004
	76	10	.030	.36			2.0	.10	1025.0	.2	325.0	12.0		.020	.020
	77	11	-.020	2.20	28.0		4.5	.09		2.0	124.0	15.0	8.0	.080	.060
	78	5	-.100	5.00	10.0	.0020	1.2	.09		2.0	240.0	16.0	28.0	-.020	-.020
		11	.060	-.10	6.0	.0080	1.3	-.04		3.0	310.0	15.0	2.0	-.020	-.020
	79	5	.020	37.00	5.0	-.0010	.8	.20	1000.0	1.2	320.0	17.0	8.3	-.020	-.020
		12	.030	59.00	7.0	.0290	4.0	.10	1000.0	1.9	390.0	5.2	13.0	-.020	-.020
	80	6	.020	-.50	11.0	.0010	2.6	.10	1100.0	2.7	280.0	39.0	9.0	-.020	-.020
WX04	74	11	.020	.20			-1.0	2.80	520.0	2.0	140.0	2.0		.030	.500
	75	4	.040	.40			1.0	.40	550.0	3.0	130.0	7.0		-.010	.090
		10		.80			1.0	-.10	540.0	5.0	140.0	7.0		-.010	.007
	76	10	.030	.06			.7	.07	557.0	1.7	142.0	6.0		-.010	.020
	77	11	-.020	2.00	6.0		.8	.22		6.8	103.0	8.0	36.0	-.020	-.020
	78	5	-.100	2.00	8.0	-.0010	.9	.04		7.0	130.0	8.0	38.0	-.100	-.200
	79	12	-.020	120.00	1.0	.0050	.5	.10	480.0	6.3	180.0	16.0	6.0	-.020	-.020
	80	6	.020	-.50	8.0	.0040	.6	-.10	560.0	8.0	120.0	7.5	48.0	-.020	-.020
WX10	75	4	.040	-.10			1.0	3.20	940.0	4.0	380.0	13.0		-.010	.005
		10	.090	.10			1.0	.30	840.0	4.0	360.0	8.0		-.010	.030
	76	10	-.007	.03			.7	.01	905.0	1.7	410.0	4.0		-.010	.010
	78	6	-.100	3.00	13.0	.0040	.9	.04		11.0	360.0	8.0	24.0	-.100	-.200
		11	.080	-.10	30.0	-.0010	1.0	.20		10.0	360.0	2.6	4.0	-.020	.020
	79	5	-.020	32.00	17.0	-.0010	.5	.10		6.6	330.0	25.0	8.3	-.020	-.020
WX12	75	4	.020	-.10			1.0	.42	690.0	2.0	240.0	18.0		-.010	.050
		10	.030	.20			1.0	.80	800.0	3.0	200.0	9.0		-.010	.040
	76	5		.04			.5	.03	840.0	3.0	234.0	8.0		.007	.010
		10	.030	.10			.7	.30	834.0	3.3	239.0	8.0		.004	.010
	77	11	.020	-.10	-1.0		.8	.30		13.0	45.0	8.0	84.0	.040	.030
	78	5	-.100	5.00	7.0	-.0010	.1	.20		10.0	190.0	6.0	42.0	-.100	-.200
		11	-.020	-.10	20.0	.0050	2.0	-.04		13.0	220.0	10.0	2.0	-.020	-.020
	79	5	.020	38.00	6.0	.0070	.7	.30		3.8	18.0	10.0	17.0	-.020	-.020
		12	-.020	25.00	1.0	-.0010	.6	.30	800.0	7.7	120.0	3.2	6.0	-.020	-.020
	80	5	.010	-.50	6.0	-.0010	2.8	.60	770.0	2.2	53.0	47.0	-1.0	-.020	-.020
WX14	80	8	-.010	-.50	9.0	-.0010	1.3	.10	1000.0	11.0	390.0	6.5	2.0	-.020	-.020

NOTE: - INDICATES LESS THAN

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UPPER AQUIFERS

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WX17	75	4	.100	1.90			9.0	18.00	3100.0	.2	99.0	514.0		-.010	.010
		10	.020	.20			3.0	6.20	1100.0	.7	35.0	77.0		-.010	.007
	76	5	-.020				3.0	.20	749.0	.1	91.0	19.0		-.020	.020
		10	.006	.06			1.7	.30	941.0	.2	21.0	20.0		.007	.007
	77	11	.020	5.30	16.0		3.0	1.34		.9	300.0	16.0	96.0	.060	-.020
	78	5	-.100	4.00	8.0	.0010	.2	1.00		1.0	110.0	14.0	47.0	-.100	-.200
		11	.020	-.10	3.0	.0060	3.0	1.00		1.0	16.0	11.0	6.0	-.020	-.020
	79	5	-.020	160.00	8.0	-.0010	1.4	1.80		.7	-5.0	16.0	4.0	-.020	-.020
		12	-.020	30.00	1.0	.0300	3.1	1.30	980.0	1.1	-5.0	2.0	2.0	.020	-.020
WX18	74	11	.030	.20			-1.0	1.40	540.0	.3	84.0	3.0			.020
	75	5	.010	.10			1.0	.70	620.0	2.0	130.0	4.0		-.010	.010
		10	.030	.20			1.0	.70	520.0	3.0	77.0	3.0		-.010	.010
	76	10	.030	-.04			.3	.10	597.0	1.9	131.0	4.0		.010	.020
	79	12	-.020	16.00	2.0	.0010	.4	1.10	430.0	3.4	6.0	4.2	4.0	-.020	-.020
	80	6	-.010	-.50	2.0	-.0010	.4	.20	770.0	13.0	170.0	38.0	26.0	-.020	-.020
WX19	74	11	.003	-.10				2.00	1800.0	.4	-4.0	10.0		.002	.080
	75	4	.008	-.10			1.0	1.60	1800.0	.4	23.0	11.0		-.010	.050
		10	.010	.20			1.0	1.40	1800.0	.4	-4.0	14.0		-.010	.010
	76	10	.003	.03			.9	.20	1741.0	.4	4.0	12.0		.002	.008
	78	6	.200	4.00	-.1	.0720	1.0	1.00		2.0	82.0	14.0	36.0	-.100	-.200
		11	.060	-.10	70.0	-.0010	2.0	1.00		2.0	-5.0	18.0	30.0	-.020	-.020
	79	5	.020	-.10	33.0	-.0010	.7	1.20		1.6	-5.0	13.0	6.2	-.020	-.020
		12	-.020	5.00	15.0	-.0010	1.2	1.70	1800.0	1.8	8.0	1.6	2.0	-.020	-.020
			-.020	-.10	7.0	.0230	1.0	1.30	1800.0	1.7	6.0	1.8	57.0	-.020	-.020
WX20	75	4	.030	.90			1.0	1.60	1900.0	.7	27.0	13.0		-.010	.030
		10	.006	2.10			1.0	2.20	1700.0	.4	-4.0	13.0		-.010	.020
	76	5	-.008	.38			.8	.40	1745.0	.4	-4.0	12.0			.020
		10		2.90			.9	3.00	1715.0	.5	5.0	12.0		.005	.030
	77	11	-.020	2.40	20.0		1.3	1.38		1.8	33.0	14.0	8.0	-.020	-.020
	78	5	.200	6.00	3.0	.0060	.1	1.00		2.0	8.0	16.0	4.0	-.100	-.200
		11	.060	8.00	11.0	.0040	1.0	4.00		3.0	-5.0	19.0	10.0	-.020	-.020
	79	5	-.020	-.10	10.0	-.0010	.7	1.50	1800.0	1.6	-5.0	15.0	4.2	-.020	-.020
WX21	75	4	.020	.60			1.0	.40	590.0	2.0	80.0	2.0		-.010	.005
		10		.60			1.0	.20	540.0	.5	79.0	2.0		-.010	.010
	76	10	.020	.08			.3	.40	612.0	1.0	14.0	4.0		.009	.010

NOTE: - INDICATES LESS THAN

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UPPER AQUIFERS

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WX21	78	6	-.100	4.00	20.0	.1380	.5	.20		5.0	28.0	4.0	26.0	-.100	-.200
	79	5	.020	84.00	4.0	-.0010	.4	.20		4.5	110.0	7.5	6.0	-.020	.020
		12	-.020	-.10	5.0	-.0010	.3	.20	670.0	11.0	150.0	2.8	2.0	-.020	-.020
	80	6	-.010	-.50	1.0	-.0010	.4	.20	680.0	7.4	110.0	32.0	15.0	-.020	-.020
WX32	80	2	-.010	-.10	2.0	-.0010	3.8	.10	1400.0	2.8	5.0	26.0		-.010	-.010
	82	11	-.010	-.50	-10.0	-.0010	.8	.60	580.0	-.5	19.0	4.5	-50.0	-.020	-.020
WX33	80	2	-.010	-.10	2.0	-.0010	3.2	.20	1300.0	2.9	11.0	20.0	3.0	-.010	-.010
WX38	81	7	.040	-.50	15.0	.0850	42.0	-.10	1200.0	4.8	300.0	81.0	-50.0	-.020	-.020
WX44	74	11		-.10			4.0	1.30	750.0	2.0	230.0	7.0		.006	.030
	75	4	.020	.50			4.0	.16	880.0	3.0	300.0	6.0		-.010	.020
		10	.030	1.50			1.0	.30	920.0	3.0	370.0	7.0		-.010	.005
	76	5	.020	.04			2.6		935.0	3.6	370.0	9.0			
		10	.020	-.02			2.0	.20	955.0	1.8	372.0	10.0		.020	.020
	78	5	-.100	11.00	4.0	-.0010	1.0	.09		9.0	170.0	12.0	24.0	-.020	-.020
	79	5	-.020	67.00	26.0	-.0010	1.0	.40		8.6	400.0	31.0	6.0	-.020	-.020
		12	-.020	100.00	20.0	.0140	3.1	.20	940.0	9.4	310.0	4.6	23.0	-.020	-.020
	81	7	-.010	-.50	-10.0	.0050	6.1	.30	900.0	7.3	220.0	9.8	160.0	-.020	-.020
	82	5	-.010	-.50	-10.0	-.0010	8.4	.40	780.0	-.5	8.0	18.0	110.0		-.020
		8	-.010	-.50	-10.0	-.0400	1.5	.40	830.0	-.5	180.0	11.0	-50.0	-.020	-.020
		12	-.010	-.50	-10.0	-.0010	1.2	.30	900.0	6.0	300.0	10.0	-50.0	-.020	-.020
WX55	75	4	.010	-.10			5.0	1.50	1200.0	3.0	260.0	53.0		-.010	.009
		10	.010	.30			11.0	1.90	1300.0		140.0	46.0		-.010	.007
	76	10	.020	.12			5.0	.60	1164.0	1.7	152.0	19.0		.010	.020
	77	11	.020	.40	-1.0		2.9	.65		3.2	25.0	10.0	68.0	-.020	.030
	78	5	-.100	5.00	18.0	.0020	1.8	.60		3.0	8.2	7.0	4.0	-.020	-.200
		11	.100	-.10	10.0	.0120	3.0	.60		3.0	4.0	8.6	10.0	-.020	-.020
	79	5	.020	280.00	26.0	-.0010	1.9	.60		3.5	460.0	32.0	4.2	-.020	.020
		12	.070	.10	4.0	-.0010	4.0	.50	640.0	3.2	6.0	8.8	10.0	-.020	-.020
	80	6	.020	-.50	10.0	.0040	3.7	.20	1200.0	5.1	460.0	11.0	110.0	-.020	.020
WX63	75	4	.003	.50			1.0	.35	1200.0	17.0	520.0	49.0		-.010	.030
		10	.010	.20			1.0	.60	1000.0		350.0	29.0		-.010	.003
	76	5		.82			.8	.05	1129.0	7.3	510.0	27.0		.030	.003
		10	.040	.02			.8	.02		6.0	506.0	30.0		.006	.040

NOTE: - INDICATES LESS THAN

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QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
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WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WX63	77	11	.020	-.40	14.0		4.2	.52		.9	70.0	120.0	60.0	-.020	-.020
	78	5	.200	5.00	8.0	.0030	2.6	.40		2.0	220.0	12.0	8.0	-.020	-.020
		11	.040	-.10	10.0	.0030	3.0	.80		3.0	13.0	15.0	8.0	-.020	-.020
	79	5	.500	41.00	12.0	.0050	1.9	1.50	790.0	.3	7.0	66.0	31.0	-.020	-.020
		12	.080	75.00	14.0	.0160	1.6	.60	750.0	.6	5.0	4.0	17.0	-.020	-.020
WX82	75	4	.010	.40			2.0	1.90	1400.0	3.0	120.0	38.0		-.010	.010
		10	.010	.40			1.0	1.00	1100.0	1.0	31.0	13.0		-.010	.010
WX92	74	11	.080	.40			5.0	1.50	1300.0	3.0	430.0	49.0		-.010	.030
	75	4	.020	.40			5.0	.40	1400.0	2.0	520.0	22.0		-.010	.050
		10	.050	.20			5.0	1.00	1300.0	4.0	460.0	19.0		-.010	.030
	76	5	-.010	.04			2.9	.04	1391.0	2.5	522.0	19.0		.010	.010
		10	.020	.08			2.0	.07	1318.0	4.0	497.0	17.0		.020	.010
	77	11	.020	.20	16.0		2.1	.04		.6	551.0	18.0	72.0	.020	.030
	78	5	.200	5.00	8.0	.0020	.2	1.00		2.0	110.0	7.0	60.0	-.100	-.200
		11	.060	-.10	6.0	.0270	6.0	1.00		2.0	10.0	21.0	2.0	-.020	-.020
	79	5	.020	260.00	4.0	.0100	.9	.20		9.4	490.0	28.0	22.0	-.020	-.020
		12	-.020	420.00	2.0	.0160	3.0	.20	1400.0	8.5	620.0	3.6	42.0	-.020	-.020
	80	6	.010	-.50	15.0	.0010	2.0	.20	1400.0	9.7	430.0	65.0	15.0	-.020	-.020

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WELL	YR	MO	SIO2 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WX02	74	11	17.0		-.10					.400	.020	-.50	.100	.50	2.90
	75	4	19.0		-.10		.00040	.002	-.001	.100	.070	-.50	.100	1.20	4.00
		10	15.0		-.10		-.00010			.003	-.002	-.50	.010	.20	.90
	76	10	15.0		-.02		.00013	.005		.010	.007	-.50	-.100	.30	1.80
	77	11				.56			-.010	-.020	.200	.07	-.020	.60	1.20
	78	5				.78	-.00100		-.020	-1.000	-.100	.08	.040	.10	1.70
		11					-.02000	-.020	-.020	-.020	-.020	.08	.070	-.50	.56
	79	5				-1.00	-.02000	-.020	-.010	-.020	-.050	.04	-.020	-.01	.80
		12				1.10	-.02000	.030	-.010	-.020	-.020	.07	.020	.02	.90
	80	6				.40	-.00020	-.010	-.010	-.010	.020	.07	-.020	.03	1.70
WX04	74	11	23.0		-.10					.070	-.010	-.50	.100	.30	1.00
	75	4	32.0		.10		.00020			1.000	.020	-.50	.020	-.05	.90
		10	20.0		-.10		-.00010	.001		.040	.020	-.50	.040	.07	.30
	76	10	25.0		-.02		.00012	-.007		.030	-.020	-.50	-.100	-.10	.60
	77	11				.56			-.010	-.020	.070	.03	.070	.30	1.50
	78	5				2.40	.00100		.020	-1.000	-.100	.04	-.200	-5.00	.95
	79	12				.80	-.02000	-.020	-.020	-.020	.040	-.05	.060	.08	.40
	80	6				.80	.00020	-.010	-.010	-.010	.020	-.05	.060	.20	1.30
WX10	75	4	24.0		-.10		.00010	.007		.300	.010	-.50	.030	.08	.41
		10	21.0		-.10		.00020	.020	.050	.060	.010	-.50	.060	1.10	.50
	76	10	25.0		.02		.00012	-.004		.030	.010	-.50	.100	.10	.40
	78	6				2.12	.00100			.100	-.100	.07	-.200	-5.00	.55
		11					-.02000	-.020	-.020	.080	.020	.04	.080	14.00	.33
	79	5				-1.00	-.02000	-.020	-.010	-.020	-.050	.02	.080	-.50	1.60
WX12	75	4	21.0		-.10		.00040	.004		.100	.020	-.50	.030	-.05	3.00
		10	19.0		-.10		-.00010	-.002		.010	.003	-.50	.040	.20	3.30
	76	5	17.0		.02		-.00003			.020	.050	-.50	-.100	.10	3.20
		10	20.0		-.02		.00290	.010	.020	.070	.007	-.50	-.100	-.10	3.00
	77	11				.92			-.010	-.020	.090	.05	.050	.20	2.90
	78	5				2.90	.00200		-.020	-1.000	-.100	.07	-.200	-5.00	3.20
		11					-.02000	-.020	-.020	-.020	-.020	.05	.080	8.00	3.20
	79	5				1.00	-.02000	-.020	-.010	-.020	-.050	.03	.060	-.50	16.00
		12				.30	-.02000	-.020	-.010	.020	-.020	-.05	.080	-.02	9.80
	80	5				1.00	-.00020	-.010	-.010	.010	.020	-.05	.030	.03	15.00
WX14	80	6				.30	-.00020	-.010	-.010	-.020	-.020	-.05	.040	.03	.20

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WELL	YR	MO	SIO2 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WX17	75	4	28.0		-.10		.00310	.007		2.000	.020	3.10	.010	-.05	17.00
		10	13.0		-.10		.00090	-.001	-.001	.050	.010	-.50	.030	.09	16.00
	76	5	7.5				-.00030			.020	.020	-.50	-.100	-.10	11.50
		10	13.0		.03		.00008	.001	-.002	.020	.008	-.50	-.100	.10	17.00
	77	11				.51			-.010	-.020	.100	.05	-.020	.30	18.00
	78	5				1.22	-.00100		-.020	-1.000	.200	.07	-.200	-5.00	20.00
		11					-.02000	-.020	-.020	-.020	-.020	.04	-.020	-.50	19.00
	79	5				3.00	-.02000	-.020	-.010	-.020	-.050	.02	.040	-.50	19.00
		12				.70	-.02000	-.020	-.010	.070	-.020	-.05	.030	-.02	19.00
WX18	74	11	23.0				.00240			.030	-.020	.30	.020	-.02	190.00
	75	5	21.0		.20		.00030	.004		.700	.010	-.50	.030	-.05	.10
		10	19.0		-.10		-.00010			.010	.004	-.50	.030	.80	6.30
	76	10	26.0		-.02		.00012	-.006		.040	-.020	-.50	-.100	-.10	5.60
	79	12				2.20	-.02000	.020	-.010	-.020	-.020	-.05	-.020	-.02	5.90
	80	6				.10	-.00020	-.010	-.010	.010	-.020	-.05	.040	.20	4.20
WX19	74	11	9.0		-.10		.00190			.050	-.008	-.50	.002	-.05	3.10
	75	4	9.0		-.10		.00030		.001	2.000	.009	-.50	.010	-.05	24.00
		10	7.0		-.10		.00020			.050	.030	-.50	.006	.40	22.00
	76	10	13.0		.03		.00009	-.001		.010	.004	-.50	-.100	-.10	23.00
	78	6				2.37	.01300		.020	-.100	-.100	.10	-.200	-5.00	25.00
		11					-.02000	-.020	-.020	-.020	-.020	.09	-.020	-.50	24.00
	79	5				-1.00	-.02000	-.020	-.010	-.050	-.050	.06	.020	-.50	23.00
		12				1.40	-.02000	-.020	-.010	.100	-.020	.08	-.020	-.02	23.00
						4.20	-.02000	-.020	-.010	.040	-.020	.07	-.020	-.02	23.00
WX20	75	4	7.0		-.10		.00020	.002		.040	.008	-.50	.007	-.05	25.00
		10	7.0		-.10		.00010			.040	.010	-.50	.010	.30	21.50
	76	5	8.0		.15		-.00003		.001	.030	.005	-.50	-.100	-.10	22.00
		10	11.0		.03		.00008	-.003		.008	-.020	-.50	-.100	-.10	21.00
	77	11				.93			-.010	-.020	.040	.08	-.020	.10	22.00
	78	5				2.68	.00100		.080	-.100	-.100	.10	-.200	-5.00	24.00
		11					-.02000	-.020	-.020	-.020	-.020	.08	-.020	-.50	23.00
	79	5				-1.00	-.02000	-.020	-.010	-.020	-.050	.05	-.020	.06	22.00
WX21	75	4	15.0		.20		.00030	.003		.100	.010	-.50	.030	-.05	8.60
		10	14.0		-.10		-.00010		.003	.030	.007	-.50	.030	.20	9.30
	76	10	17.0		-.02		.00010	-.006		.020	.020	-.50	-.100	.20	9.00
	78	6				1.80	.00100		.100	-.100	-.100	.04	-.200	-5.00	9.40

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WELL	YR	MO	SIO2 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WX21	79	5				1.00	-.02000	-.020	-.010	-.020	-.050	-.02	.020	-.50	8.50
		12				.30			-.020	.030	.030	-.05	.020	-.02	7.20
	80	6				.10	-.00020	-.010	-.010	.010	-.020	-.05	.030	-.02	8.60
WX32	80	2				.10			-.010	-.010	-.020	-.05	-.020	.02	21.00
	82	11	12.0		.07		.00040	-.010		-.020	.020	-.05	.050	.07	22.00
WX33	80	2				.60			-.010	.200	-.020	-.05	-.020	-.02	18.00
WX38	81	7	3.3			3.60	-.00020	-.010	-.010	-.020	-.020	.08	-.020	.05	1.00
WX44	74	11	18.0		-.10		.00080			.030	.010	-.50	.200	.28	6.40
	75	4	13.0		-.10		.00020	-.004		.070	.010	-.50	.040	-.05	4.00
		10	19.0		-.10		-.00010	-.001		.040	.010	-.50	.020	.10	4.00
	76	5	19.0		.04				-.003				.200	1.10	3.10
		10	19.0		-.01		.00007	.002		.030	-.010	-.50	.100	-.10	4.30
	78	5				.55	-.00100		-.020	-1.000	.200	.07	.060	.10	3.20
	79	5				-1.00	-.02000	-.020	-.010	-.020	-.050	.04	.200	-.50	7.60
		12				.80	-.02000	.040	-.010	-.020	.040	.06	.100	.02	4.40
	81	7	17.0			.80	-.00020	-.010	-.010	-.020	-.020	-.05	.070	.05	8.30
	82	5	14.0				-.00020	-.010		.100	.020	-.05	.060	.20	14.00
		8	19.0		.08		-.00020	-.010		-.020	.020	-.05	.060	.02	5.90
		12	16.0		.01		-.00020	-.010	-.010	-.020	.020	-.05	.060	-.02	4.50
WX55	75	4	4.0		-.10		.00020	.003		.400	.010	-.50	.020	-.05	4.40
		10	14.0		.10		.00020		.001	.010	.010	-.50	.300	-.05	7.30
	76	10	17.0		.04		.00010	-.006		.030	.010	-.50	-.100	6.00	6.00
	77	11				1.16			-.010	-.020	.030	.08	-.020	.30	18.00
	78	5				1.20	.00100		-.020	-1.000	-.100	.06	.030	-5.00	18.00
		11					-.02000	-.020	-.020	-.020	-.020	.05	-.020	-.50	18.00
	79	5				1.00	-.02000	-.020	-.010	-.020	-.050	.03	.060	-.50	1.20
		12				.30	-.02000	-.020	-.010	-.020	-.020	.05	.020	.03	18.00
	80	6				1.10	-.00020	-.010	-.010	.020	.200	.06	.080	.05	1.60
WX63	75	4	15.0		-.10		.00290	-.004		.700	.007	-.50	.200	.44	.30
		10	20.0		-.10		-.00010	-.001	-.002	.040	.003	-.50	.100	.20	.10
	76	5	15.0		.07		-.00003			.020	-.020	-.50	.200	.10	.20
		10	9.0		.02		.00009	-.010		.020	-.010	-.50	.300	-.10	2.00
	77	11				.84			-.010	-.020	-.050	.07	-.020	.05	15.00
	78	5				1.42	-.00100		-.020	-1.000	-.100	.07	.020	.20	18.30

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WELL	YR	MO	SIO2 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WX63	78	11					-.02000	-.020	-.020	-.020	-.020	.07	-.200	-.50	19.00
	79	5				-1.00	-.02000	-.020	-.010	-.020	-.050	.03	.020	.02	17.00
		12				.60	-.02000	.040	-.010	.030	-.020	.05	-.020	-.02	16.00
WX82	75	4	16.0		-.10		.00020	.020		1.000	.010	-.50	.040	-.05	15.00
		10	13.0		-.10		-.00010	.001	-.001	.020	.006	-.50	.009	.60	13.00
WX92	74	11	20.0		-.10			.009		.100	-.020	-.50	.400	.18	.20
	75	4	22.0		.40		.00010	.001		1.000	.020	-.50	.100	-.05	1.30
		10	23.0		-.10		.00030			.060	.010	-.50	.600	1.30	1.20
	76	5	23.0		-.02		.00010			.030	-.010	-.50	.300	1.80	.70
		10	30.0		-.02		.00009	.030		.030	.010	-.50	.300	7.00	2.40
	77	11				.40			-.010	-.020	.090	.07	-.020	.30	.40
	78	5				3.50	.00100		.040	-1.000	-.100	.10	-.200	9.00	21.00
		11					-.02000	-.020	-.020	-.020	-.020	.20	-.020	-.50	21.00
	79	5				1.00	-.02000	-.020	-.010	.020	-.050	.06	.400	1.40	.40
		12				.30			-.020	.030	.040	.08	.400	.90	.40
	80	6				.70	.00020	.010	-.010	.020	.100	.08	.400	3.20	.90

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UPPER AQUIFERS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S203 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WX02	74	11						.020						
	75	4			.004			.200			.030			.007
		10						.003						-.001
	76	10						.010						.003
	77	11			-.020	-.1		.040		1110.0				
	78	5			-.020	.1		-.100		990.0				
		11			-.020	41.0		-.020	6.0	1200.0				
	79	5	-1.00	-1.0	-.020		-.05	-.020	5.0					
		12				5.1		-.020						
	80	6				10.0		-.020						
WX04	74	11						.020						
	75	4			.008			.080			.020			.010
		10			-.010			.020			-.002			.001
	76	10						.006						-.003
	77	11			-.020	-.1		.070		617.0				
	78	5			-.020	28.0		-.100		530.0				
	79	12				7.1		-.020						
	80	6				7.0		-.020						
WX10	75	4						.010						-.002
		10						.009						.020
	76	10						.010						-.002
	78	6			-.020	1.0		-.100		990.0				
		11			-.020	-.1	.04	.040	12.0	1000.0				
	79	5	-1.00	-1.0	-.020		-.05	-.020	2.0					
WX12	75	4						.020						.003
		10						.003			.002		-.001	
	76	5						.010						
		10			-.020			.010						.010
	77	11			-.020	-.1		.040		880.0				
	78	5			-.020	225.0		-.100		860.0				
		11			-.020	-.1	.04	-.020	11.0	870.0				
	79	5	-1.00	-1.0	-.020		-.05	-.020	-1.0					
		12				1.0		-.020						
	80	5				22.0		-.200						
WX14	80	8				4.0		.020						

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WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S2O3 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WX17	75	4						.010						.200
		10						.006			-.001		-.001	.020
	76	5						.020						.004
		10						.006						.010
	77	11			-.020	-.1		.040		1090.0				
	78	5			-.020	223.0		-.100		1000.0				
		11			-.020	-.1	.04	-.020	12.0	880.0				
	79	5	-1.00	-1.0	-.020		-.05	-.020	-1.0					
		12				-1.0		-.020						
WX18	74	11						.005						
	75	5						.010						-.002
		10						.006						
	76	10						.006						
	79	12				2.0		-.020						
	80	6				3.0		-.020						
WX19	74	11						.002						.001
	75	4						.020						.010
		10						.009			-.001		-.001	
	76	10						.010						.002
	78	6			-.020	2.0		-.100		1800.0				
		11			-.020	-.1	.04	-.020	10.0	1700.0				
	79	5	-1.00	-1.0	-.020		-.05	-.020	-1.0					
		12				10.0		-.020						
						3.2		-.020						
WX20	75	4						.030						.010
		10						.006			-.001		-.001	.003
	76	5						.009						.002
		10						.007						.005
	77	11			-.020	-.1		-.020		1470.0				
	78	5			-.020	1.0		.100		1900.0				
		11			-.020	-.1	.04	-.020	17.0	1700.0				
	79	5	-1.00	-1.0	-.020		-.05	.020	-1.0	1800.0				
WX21	75	4						.020						.002
		10						.004						.020
	76	10			-.010			.010						-.002
	78	6	42.00		-.020	1.0		-.100		630.0				

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UPPER AQUIFERS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S203 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WX21	79	5	-1.00	-1.0	-.020		-.05	-.020	4.0					
		12						-.020						
	80	6				4.0		-.020						
WX32	80	2		-1.0		5.0		.040						
	82	11				-1.0								
WX33	80	2		-1.0		7.0		.040						
WX38	81	7				10.0		.030						
WX44	74	11						.010						
	75	4						-.001			-.001			
		10						.007			-.001			.004
	76	5												.008
		10			1.010			.008						.002
	78	5			-.020	.2		-.100		750.0				
	79	5	-1.00	-1.0	-.020		-.05	.020	5.0					
		12				4.1		-.020						
	81	7				15.0		-.020						
	82	5				-1.0								
		8				-1.0		.020						
		12				28.0								
WX55	75	4						.006			.002			.010
		10						.005			-.001			-.001
	76	10			-.010			.010			-.100			.030
	77	11			-.020	-.1		-.020		810.0				
	78	5			-.020	-.2		-.100		670.0				
		11			-.020	52.0		-.020	5.0	760.0				
	79	5	-1.00	-1.0	-.020		-.05	.020	3.0					
		12				16.4		-.020						
	80	6				22.0		-.020						
WX63	75	4						.020						.004
		10						.004						
	76	5						.009						
		10						.009						.002
	77	11			.020	-.2		-.020		840.0				
	78	5			-.020	-.2		-.100		930.0				

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S203 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WX63	78	11			-.020	60.0		-.020	8.0	870.0				
	79	5	-1.00	-1.0	-.020		-.05	-.020	8.0					
		12				3.0		-.020						
WX82	75	4						.020			.007			.040
		10			-.003			.010			.004			.020
WX92	74	11						.020						.005
	75	4						.040						.003
		10						.007						
	76	5						.010						.003
		10			-.010			.030						.002
	77	11			.020	-.1		.040		1470.0				
	78	5			-.020	179.0		-.100		970.0				
		11			-.020	56.0		-.020	8.0	1100.0				
	79	5	-1.00	-1.0	-.020		-.05	-.020	4.0					
		12						-.020						
	80	6				11.0		.020						

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	W (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
WX02	74	11					.020		.003	.070	-.001		.002	.002	-.001
	75	4	.003	.010	.002		.020		-.001	.030	-.002	.010	.008	.003	
		10		-.001			.003			.050	-.001		-.001	-.001	
	76	10	.001		.001		.009		.001	.040	-.003		.002	-.001	
	77	11													
	78	5													
		11													
	79	5													
		12											-.020		
	80	6											-.020		
WX04	74	11	.004				.006		.003	.080	.002		.002	.001	-.001
	75	4	.020	.008			.020		-.002	.300	-.004	.020	.006	.001	
		10	.004				.003		.001	.200	-.001		-.001	-.001	
	76	10	.003		-.003		.020		.003	.030	-.006		-.001	.001	
	77	11													
	78	5													
	79	12											-.020		
	80	6											-.020		
WX10	75	4	-.002		-.002		.003		-.002	.030	-.005		-.002	-.002	
		10	.020				.030			.300	-.002		.003	.006	
	76	10	.002		-.002		.020		-.002	.080	.005		-.006	-.001	
	78	6													
		11													
	79	5													
WX12	75	4	.006		-.002		.006			.030	.006		-.002	.003	-.002
		10	-.001		.001		.008			.300	-.001			-.001	
	76	5	.005							.200	-.007		-.003	.002	
		10	.003		.001		.010	-.002	.001	.050	-.003		.002	-.001	
	77	11													
	78	5													
		11													
	79	5													
		12											-.020		
	80	5											.030		
WX14	80	8											-.020		
WX17	75	4	.080		.030		.030			.300	.005	.020	-.003	.006	

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	W (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
WX17	75	10	.004		.003	-.001	.009	.002		.050	-.001	.003	-.001	-.001	
	76	5	.010				.007		.004	.060	-.004		-.001	.002	
		10	.002				.008	-.001	.001	.040	-.001		-.004	-.001	-.001
	77	11													
	78	5													
		11													
	79	5													
		12											-.020		
WX18	74	11					.004			.040	.003		.001	.001	
	75	5	-.002				.010			.030	-.002		-.002	-.002	
		10	.002		.003		.010			.300	-.001		-.008	.002	
	76	10			.010		-.002		-.003	-.100	-.007		-.009	-.001	
	79	12											-.020		
	80	6											-.020		
WX19	74	11	.004		.002		.005		.002	.030	.001		-.001	-.001	
	75	4	.001	-.001	.009		.006		.001	.100	-.002	.010	-.002		
		10	.006		.030		.006	-.002		.050	-.001		-.002	.002	
	76	10	.002		.001		.004	.001	.001	.020	-.002		-.002	-.001	-.001
	78	6													
		11													
	79	5													
		12											-.020		
													-.020		
WX20	75	4	.002		.010		.020		-.001	.200	-.003		-.004	-.001	
		10	.003		.006		.007		-.001	.020	-.001			-.001	-.001
	76	5	.002		.004	-.001	.010		.001	.020	-.001		-.003	.001	-.001
		10	.004		-.100		.008		.004	.060	-.004		-.010	.002	-.001
	77	11													
	78	5													
		11													
	79	5													
WX21	75	4	.003				.006		.002	.030	.006		-.003	.003	
		10	.005		.030				-.002	.040	-.001		-.002	.003	-.001
	76	10	.002				.020		.003	.090	-.006		-.008	-.001	
	78	6													
	79	5													
		12											-.020		

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	W (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
WX21	80	6											-.020		
WX32	80	2											-.020		
	82	11													
WX33	80	2											-.020		
WX38	81	7													
WX44	74	11					.010			.080	.002		.002	.001	
	75	4	.002				.040		-.001	.050	-.003			-.001	-.001
		10	-.001	.003			.020	-.002	-.002	.200	-.001			-.001	
	76	5	.003												
		10	.002	.002	.002		.020		-.002	.070	-.004		-.005	.001	
	78	5													
	79	5													
		12											-.020		
	81	7													
	82	5													
		8													
		12													
WX55	75	4	.020	.006			.040		-.001	.050	-.003	.020	-.004	-.001	
		10	.006	.002			.020			.100	-.001	.002	-.001	-.001	
	76	10	.002		.002		.050		.002	.080	.005		-.006	-.001	-.001
	77	11													
	78	5													
		11													
	79	5													
		12											-.020		
	80	6											-.020		
WX63	75	4	.004		-.001	-.001	.020			.050	-.003		-.001	.002	
		10	-.001				.009			.200			.001	.001	
	76	5			.004		.003			.003	-.005		-.003	.001	
		10	.002		.003		.002		.002	.100	-.004		-.005	-.001	
	77	11													
	78	5													
		11													
	79	5													
		12											-.020		

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	W (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
WX82	75	4	.020		.003		.040	.002	.002	.080	-.003		-.001	.001	
		10	.002	-.001	.001	.010	.020	-.001	.003	.100	-.001		-.001	.001	-.001
WX92	74	11	.005	.006			.020			.050	.009	.010	.010	.004	.003
	75	4	.003	.020	.001		.020		.001	.030	.002		.003	-.001	
		10	.010				.050			2.000	-.001		-.002	-.002	
	76	5					.020			.080	-.003		.002	-.001	-.001
		10	.003				.010		.003	.080	-.005		-.007	-.001	
	77	11													
	78	5													
		11													
	79	5													
		12											-.020		
	80	6											-.020		

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WX02	74	11	-.1	.100					2.0			
	75	4	-.1	.100	60.0	360.0			12.0			
		10	-.1	.100	39.0	400.0			3.0			
	76	10		-.100					7.8			
	77	11										
	78	5										
		11										
	79	5							5.5			
		12							4.6	57.0	1.4	
	80	6							5.6	16.0		
WX04	74	11	-.1	.100					1.0			
	75	4	-.1	.100	10.0	320.0			16.0			
		10	-.1	.100	15.0	390.0			5.0			
	76	10		-.100						2.0		
	77	11										
	78	5										
	79	12							.8	6.0		
	80	6										
WX10	75	4	-.1	.100	10.0	360.0			6.0			
		10	-.1	.100	5.0	320.0			6.0			
	76	10		-.100					10.0	4.0		
	78	6										
		11							1.3	3.0		
	79	5							2.9	3.0		
WX12	75	4	-.1	.100	10.0	500.0			8.0			
		10	-.1	.100	22.0	440.0			6.0			
	76	5		-.100								
		10		-.100					3.9	8.0		
	77	11										
	78	5								40.0	.7	
		11							.6			
	79	5							.6	5.0		
		12							1.5			
	80	5										
WX14	80	8								-24.0		

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	OH (MG/L)	CN (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WX17	75	4	-.1	.100	98.0	1500.0			21.0			
		10	-.1	.100	34.0	740.0			4.0			
	76	5		-.100								
		10		-.100					2.4			
	77	11										
	78	5							.6	11.0		
		11							2.3	3.0		
	79	5							8.5	3.0		
		12							12.0	6.0		
WX16	74	11		-.100					8.0	3.0		
	75	5	-.1	.100	10.0	390.0			4.0			
		10	-.1	.100	15.0	360.0						
	76	10		-.100					4.9	7.0		
	79	12							4.5	28.0	1.7	
	80	6							.6			
WX19	74	11	-.1	.100					8.0	33.0		
	75	4	-.1	.100	45.0	430.0			20.0			
		10	-.1	.100	44.0	1400.0			6.0			
	76	10		-.100								
	78	6							4.8	24.0		
		11							.9			
	79	5							.9	6.0		
		12							2.3	3.0		
									6.0	10.0		
WX20	75	4	-.1	.100	70.0	1500.0			12.0			
		10	-.1	.100	49.0	1400.0			6.0			
	76	5		-.100					4.0	32.0		
		10		-.100					2.2			
	77	11										
	78	5							2.2			
		11							2.9	7.0		
	79	5							2.1	7.0		
WX21	75	4	-.1	.100	20.0	380.0			9.0			
		10	-.1	.100	10.0	380.0			3.0			
	76	10		-.100					1.6	16.0		
	78	6										

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WX21	79	5							.6	6.0		
		12										
	80	6										
WX32	80	2										
	82	11										
WX33	80	2										
WX38	81	7					-.10		1.0	30.0		
WX44	74	11	-.1	.100					2.0	2.0		
	75	4	-.1	.100	-.1	660.0			8.0			
		10	-.1	.100	20.0	360.0			1.0			
	76	5		-.100								
		10		-.100					11.0			
	78	5							.6	4.0		
	79	5							1.8	8.0		
		12							12.0	58.0	.3	
	81	7					-.10					
	82	5										
		8							-1.0	6.0		
		12										
WX55	75	4	-.1	.100	39.0	600.0			7.0			
		10	-.1	.100	39.0	820.0			1.0			
	76	10		-.100					8.0	31.0		
	77	11										
	78	5							2.1	14.0		
		11							1.3			
	79	5							.5	1.0		
		12							6.0	6.0		
	80	6							2.9			
WX63	75	4	-.1	.100	10.0	370.0			1.0			
		10	-.1	.100	15.0	320.0			3.0			
	76	5		-.100					4.7	2.0		
		10		-.100					4.2	7.0		
	77	11										
	78	5										

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WX63	78	11							6.0	7.0		
	79	5							3.5	13.0		
		12							12.0	11.0		
WX82	75	4	-.1	.100	30.0	990.0			11.0			
		10	-.1	.100	64.0	810.0			7.0			
WX92	74	11	-.1	.100					2.0	2.0		
	75	4	-.1	.100	-.1	560.0			8.0			
		10	-.1	.100		540.0			2.0			
	76	5		-.100								
		10		-.100					.7			
	77	11										
	78	5							18.0			
		11								16.0		
	79	5							4.4	2.0		
		12										
	80	6							2.9			

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
UPPER PARACHUTE - CREEK 1

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)
WD02	81	7	9.3	1320.0	17.0	3.1	
WD11	81	7	9.7	1170.0	19.0	5.8	
WD12	81	7	7.9	1000.0	20.0	3.9	
	82	11	6.9	1270.0	8.5		
WD14	81	7	10.5	2300.0	19.0	5.7	
WD17	81	7	10.4	3810.0	23.0	6.1	
WD18	81	7	7.1	1150.0	19.0	1.1	
WD20	81	7	9.2	1390.0	22.0	2.6	
	82	12	9.7	1150.0	10.0		
WD21	81	7	8.3	830.0	18.0	4.6	
WD41	81	7	7.4	1530.0	23.5	1.6	
WD52	81	7	7.4	1680.0	21.0	1.4	
WD57	82	11	8.0	1110.0	9.0		
WD61	81	7	7.4	1520.0	21.0	3.2	
WD90	81	7	7.4	2770.0	16.0	2.5	
	82	8	7.3	3450.0	16.0		.2
		11	7.4	3520.0	15.0		.2
WD91	81	7	10.4	1330.0	17.0	5.1	

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 1

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WD02	81	7	360.0	-.100	.500	-.020	-.50	140.0	220.0	-.100	91.0	280.0	18.0	6.7
WD11	81	7	330.0	-.100	1.100	-.020	-.50	30.0	300.0	-.100	140.0	230.0	27.0	13.0
WD12	81	7	470.0	-.100	.300	-.020	-.50	400.0	66.0	-.100	280.0	190.0	51.0	29.0
	82	11	480.0	-.100	.500	-.020	-.50	460.0	20.0	-.100	230.0	210.0	50.0	7.9
WD14	81	7	330.0	-.100	6.400	-.020	-.50	-1.0	250.0	-.100	14.0	440.0	1.4	3.4
WD17	81	7	1600.0	.500	4.600	.040	-.50	-1.0	1500.0	-.100	-10.0	960.0	-.5	1.9
WD18	81	7	440.0	-.100	.400	-.020	-.50	440.0	-1.0	.900	370.0	160.0	63.0	45.0
WD20	81	7	410.0	-.100	.600	-.020	-.50	240.0	170.0	.400	210.0	250.0	46.0	7.5
	82	12	370.0	-.100	.400	-.020	-.50	370.0	-1.0	-.100	120.0	270.0	24.0	6.2
WD21	81	7	400.0	-.100	.500	-.020	-.50	310.0	94.0	-.100	130.0	180.0	20.0	19.0
WD41	81	7	410.0	-.100	.300	-.020	-.50	410.0	-1.0	.200	620.0	190.0	85.0	110.0
WD52	81	7	530.0	-.100	.300	-.020	-.50	530.0	-1.0	.100	790.0	180.0	120.0	120.0
WD57	82	11	420.0	-.100	.400	-.020	-.50	400.0	20.0	.500	260.0	170.0	46.0	28.0
WD61	81	7	430.0	-.100	.400	-.020	-.50	430.0	-1.0	-.100	630.0	180.0	97.0	92.0
WD90	81	7	710.0	-.100	.300	-.020	-.50	710.0	-1.0	.900	1200.0	280.0	220.0	120.0
	82	6												
		11												
WD91	81	7	350.0	-.100	1.500	-.020	-.50	-1.0	290.0	-.100	100.0	250.0	21.0	6.8

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 1

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHEN (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WD02	81	7	.010	-.50	-10.0	.0330	5.7	-.10	910.0	.9	380.0	30.0	-50.0	-.020	-.020
WD11	81	7	.020	-.50	-10.0	.0020	23.0	.20	930.0	1.8	230.0	63.0	-50.0	-.020	-.020
WD12	81	7	.010	-.50	-10.0	.0040	3.2	.20	790.0	14.0	220.0	10.0	-50.0	-.020	-.020
	82	11	-.010	-.50	-10.0	-.0010	.5	.20	760.0	.6	160.0	8.5	-50.0	-.020	.020
WD14	81	7	.030	-.50	-10.0	.0770	89.0	.20	1400.0	.5	280.0	390.0	56.0	-.020	.070
WD17	81	7	.200	1.10	-10.0	.0690	33.0	4.80	1900.0	-.5	250.0	220.0	-50.0	-.020	.030
WD18	81	7	.020	-.50	108.0	-.0010	.6	.10	830.0	11.0	270.0	6.1	229.0	-.020	-.020
WD20	81	7	.070	-.50	20.0	.0380	4.5	.20	840.0	.6	260.0	47.0	147.0	-.020	.020
	82	12	.050	-.50	-10.0	-.0010	3.2	.40	780.0	-.5	160.0	46.0	-50.0	-.020	-.020
WD21	81	7	.010	-.50	-10.0	-.0010	3.2	.20	530.0	4.0	91.0	4.6	-50.0	-.020	-.020
WD41	81	7	.020	-.50	-10.0	.0310	5.0	.10	1300.0	23.0	720.0	12.0	110.0	-.020	-.020
WD52	81	7	-.010	-.50	-10.0	-.0010	3.6	.10	1400.0	18.0	720.0	10.0	-50.0	-.020	-.020
WD57	82	11	.200	2.00	-10.0	-.0010	2.0	.40	770.0	.9	190.0	16.0	-50.0	-.020	-.020
WD61	81	7	-.010	-.50	-10.0	.0020	3.2	.20	1200.0	20.0	610.0	16.0	-50.0	-.020	-.020
WD90	81	7	.030	.70	-10.0	.0110	8.0	.20	2300.0	5.7	1300.0	13.0	-50.0	-.020	-.020
	82	8													
		11													
WD91	81	7	.040	1.10	-10.0	.0200	54.0	.40	810.0	.5	260.0	65.0	-50.0	-.020	.020

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 1

WELL	YR	MO	SIO2 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WD02	81	7	2.0			.80	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.80
WD11	81	7	9.0			1.10	-.00020	-.010	-.010	-.020	-.020	.10	-.020	.04	1.80
WD12	81	7	12.0			.40	-.00020	-.010	-.010	-.020	-.020	-.05	.060	-.02	2.50
	82	11	5.2		.04		-.00020	-.010		-.020	.020	-.05	.020	.02	2.60
WD14	81	7	7.5			7.80	-.00020	-.010	-.010	-.020	-.020	.30	-.020	1.60	3.00
WD17	81	7	22.0			4.70	-.00020	-.010	-.010	-.020	-.020	.50	-.020	.40	20.00
WD18	81	7	20.0			.70	-.00020	-.010	-.010	.080	-.020	.07	.200	.50	1.80
WD20	81	7	-1.0			.70	-.00020	-.010	-.010	-.020	-.020	.20	.040	-.02	2.20
	82	12	-1.0		.30		-.00020	-.010	-.010	-.020	.020	.30	.030	-.02	2.70
WD21	81	7	11.0			.50	-.00020	-.010	-.010	.040	-.020	-.05	.070	-.02	8.70
WD41	81	7	22.0			.60	-.00020	-.010	-.010	-.020	-.020	.05	.300	.07	.10
WD52	81	7	22.0			.60	-.00020	-.010	-.010	-.020	-.020	.05	.200	.80	-.10
WD57	82	11	20.0		.56		-.00020	-.010		-.020	.020	.07	.020	.06	.40
WD61	81	7	21.0			.50	-.00020	-.010	-.010	-.020	-.020	.06	.400	.30	.10
WD90	81	7	12.0			.30	-.00020	.010	-.010	-.020	-.020	.10	.200	.20	.50
	82	8													
		11													
WD91	81	7	2.0			1.70	-.00020	-.010	-.010	-.020	-.020	.30	-.020	.09	.90

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 1

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S2O3 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WD02	81	7				7.0		-.020						
WD11	81	7				10.0		.020						
WD12	81	7				5.0		-.020						
	82	11				-1.0								
WD14	81	7				27.0		.060						
WD17	81	7				18.0		.020						
WD18	81	7				-1.0		.050						
WD20	81	7				32.0		.030						
	82	12				28.0								
WD21	81	7				12.0		-.020						
WD41	81	7				26.0		.030						
WD52	81	7				16.0		-.020						
WD57	82	11				-1.0								
WD61	81	7				10.0		.020						
WD90	81	7				52.0		.070						
	82	8												
		11												
WD91	81	7				14.0		-.020						

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 1

WELL	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	W (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
WD02	81	7													
WD11	81	7													
WD12	81	7													
	82	11													
WD14	81	7													
WD17	81	7													
WD18	81	7													
WD20	81	7													
	82	12													
WD21	81	7													
WD41	81	7													
WD52	81	7													
WD57	82	11													
WD61	81	7													
WD90	81	7													
	82	8													
		11													
WD91	81	7													

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 1

WELL	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WD02	81	7					-.10		2.0	6.0		
WD11	81	7					-.10		1.0	20.0		
WD12	81	7					-.10		4.0	5.0		
	82	11										
WD14	81	7					.40					
WD17	81	7					.10					
WD18	81	7					-.10					
WD20	81	7					-.10					
	82	12										
WD21	81	7					-.10		5.0	2.0		
WD41	81	7					-.10					
WD52	81	7					-.10		4.0	3.0		
WD57	82	11										
WD61	81	7					-.10		-2.0	-1.0		
WD90	81	7					-.10					
	82	8										
		11										
WD91	81	7					-.10			51.0		

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
UPPER PARACHUTE - CREEK 2

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
WE04	81	7	7.9	1150.0	18.0	4.0
WE17	81	7	11.9	10570.0	23.0	5.9
WE18	81	7	7.8	1220.0	21.0	1.1
WE20	81	7	8.5	2930.0	23.0	1.8
	82	12	9.2	2740.0	9.0	
WE21	81	7	9.1	1830.0	23.0	4.6
WE51	81	7	9.7	1160.0	20.0	1.5
WE52	81	7	8.2	990.0	25.0	2.3
WE61	81	7	7.4	1530.0	19.0	1.5

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 2

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L)	CO3 (MG/L)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG(MG/L)	CA (MG/L)
WE04	81	7	380.0	-.100	.040	-.020	-.50	380.0	-1.0	.800	320.0	140.0	45.0	54.0
WE17	81	7	1600.0	-.100	9.900	-.020	2.60	-1.0	1600.0	-.100	2500.0	800.0	-.5	990.0
WE18	81	7	460.0	-.100	.400	-.020	-.50	460.0	-1.0	.600	410.0	170.0	68.0	51.0
WE20	81	7	1600.0	-.100	1.800	-.020	-.50	1200.0	410.0	-.100	28.0	820.0	3.7	5.2
	82	12	1400.0	-.100	.500	-.020	-.50	1300.0	50.0	.100	13.0	1000.0	3.2	-.5
WE21	81	7	1000.0	.100	1.400	.040	-.50	540.0	500.0	-.100	32.0	510.0	3.8	6.4
WE51	81	7	190.0	-.100	4.200	-.020	-.50	30.0	160.0	-.100	-10.0	220.0	-.5	1.9
WE52	81	7	610.0	-.100	1.000	-.020	-.50	540.0	66.0	-.100	32.0	280.0	4.1	5.9
WE61	81	7	410.0	-.100	.300	-.020	-.50	410.0	-1.0	-.100	620.0	180.0	94.0	92.0

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 2

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WE04	81	7	-.010	-.50	-10.0	.0010	3.9	-.10	720.0	4.4	180.0	14.0	-50.0	-.020	-.020
WE17	81	7	.200	-.50	-10.0	.0270	330.0	.20	4600.0	26.0	-5.0	2100.0	180.0	-.020	.200
WE18	81	7	.030	-.50	6.0	-.0010	3.2	.20	910.0	11.0	310.0	16.0	344.0	-.020	.020
WE20	81	7	.020	-.50	22.0	.0020	14.0	1.60	1800.0	.6	10.0	110.0	141.0	-.020	.030
	82	12	.010	-.50	-10.0	-.0010	8.3	2.00	1800.0	-.5	6.8	96.0	-50.0	-.020	-.020
WE21	81	7	.100	-.50	-10.0	.0100	11.0	.50	1200.0	1.2	20.0	58.0	-50.0	-.020	-.020
WE51	81	7	.200	-.50	-10.0	.0420	36.0	.40	740.0	-.5	130.0	170.0	-50.0	-.020	-.020
WE52	81	7	-.010	-.50	-10.0	-.0010	4.6	.60	690.0	1.9	180.0	4.5	-50.0	-.020	-.020
WE61	81	7	-.010	-.50	-10.0	.0100	3.9	.20	1200.0	22.0	600.0	10.0	-50.0	-.020	-.020

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 2

WELL	YR	MO	SIO2 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WE04	81	7	23.0			-.10	-.00020	-.010	-.010	-.020	-.020	-.05	.200	.04	.20
WE17	81	7	-1.0			10.00	.00030	-.010	-.010	.200	1.000	1.20	.020	.60	1.20
WE18	81	7	16.0			1.40	-.00020	-.010	-.010	.040	-.020	.07	.200	.20	2.00
WE20	81	7	16.0			5.00	-.00020	-.010	-.010	-.020	-.020	.20	.030	.06	26.00
	82	12	1.5		.66		-.00020	-.010		-.020	.080	.20	.020	.10	37.00
WE21	81	7	10.0			1.40	-.00020	-.010	-.010	.020	-.020	.05	-.020	.10	17.00
WE51	81	7	1.0			5.00	-.00020	-.010	-.010	-.020	-.020	.10	-.020	.40	11.00
WE52	81	7	12.0			1.40	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	.03	20.00
WE61	81	7				.80	-.00020	-.010	-.010	-.020	-.020	.07	.200	1.10	.10

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 2

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S2O3 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WE04	81	7				3.0		-.020						
WE17	81	7				34.0		.080						
WE18	81	7				2.0		.040						
WE20	81	7				9.0		.040						
	82	12				1.0								
WE21	81	7				45.0		-.020						
WE51	81	7				10.0		-.020						
WE52	81	7				3.0		-.020						
WE61	81	7				6.0		-.020						

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 2

WELL	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	■ (MG/L)	CU (MG/L)	V (MG/L)	BE (MG/L)
WE04	81	7													
WE17	81	7													
WE18	81	7													
WE20	81	7													
	82	12													
WE21	81	7													
WE51	81	7													
WE52	81	7													
WE61	81	7													

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 2

WELL	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WE04	81	7					-.10		1.0	6.0		
WE17	81	7					.90					
WE18	81	7					-.10					
WE20	81	7					-.10					
	82	12										
WE21	81	7					-.10		-2.0	8.0		
WE51	81	7					.40					
WE52	81	7					-.10		1.0	7.0		
WE61	81	7					-.10		2.0	3.0		

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
LOWER AQUIFERS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
WY01	74	11	8.7	3900.0		
	75	4	8.7	4000.0		
		10	9.1	3800.0		
	76	10	8.7	4097.0		
	77	11	7.7	6000.0		3.1
	78	5	8.1	7000.0	18.0	3.9
		11	8.1	4200.0	15.0	1.0
	79	5				
		12				
	80	5	7.5	5510.0		1.6
WY09	75	4	8.3	45000.0		
WY10	76	5	8.1	4900.0		
		10	8.2	4690.0		
WY12	75	4	8.7	4400.0		
		10	8.9	2900.0		
	76	5	8.4	7000.0		
		10	8.7	8369.0		
	77	11	8.2	7000.0	14.0	2.5
	78	5	7.6	8000.0	16.0	2.5
		11	7.7	42000.0	10.0	1.0
	79	5				
		12				
	80	5	7.8	8100.0	21.0	2.0
WY17	76	5	8.6	9600.0		
		10	8.7	6765.0		
	77	11	7.9	5000.0	19.0	6.3
	78	5	7.9	4500.0	20.0	3.4
		11	7.9	26000.0	14.0	1.0
	79	5				
		12				
	80	6	7.7	4280.0	21.0	4.8
WY18	75	4	8.5	32000.0		
		9	8.7	29000.0		
WY45	74	11	9.0	1400.0		
	75	4	9.0	1100.0		
		10	9.0	1400.0		
	76	5	8.8	1300.0		

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
LOWER AQUIFERS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
WY45	76	10	9.0	1415.0		
	77	11	8.9	1250.0	14.0	3.5
	78	11	8.1	1350.0	6.0	2.0
	79	5				
		12				
	80	6	8.1	1280.0	16.0	1.7
	81	7	8.3	1150.0	25.0	3.5
	82	5	9.2	1180.0	12.2	
		8	8.8	1390.0	13.0	
		12	8.6	1200.0	11.0	
WY46	74	11	8.5	1400.0		
	75	4	8.8	1200.0		
		10	9.0	1200.0		
	76	5	8.8	1250.0		
		10	8.7	1329.0		
	78	5	8.2	1150.0	18.0	3.3
		11	8.7	1100.0	6.0	2.0
	79	5				
		12				
	80	6	7.8	1300.0	16.0	2.0
	81	7	8.3	1170.0	24.0	2.3
WY51	74	11	8.8	40000.0		
	75	4	8.4	40000.0		
		10	8.6	36000.0		
WY52	76	10	8.6	20420.0		
	77	11	7.9	11500.0	16.0	3.2
	78	5	7.9	6000.0	21.0	4.3
		11	7.8	28200.0	11.0	2.0
	79	5				
		12				
	80	6	7.8	3560.0	24.0	4.5
WY54	75	4	8.7	1200.0		
		10	9.0	1200.0		
	76	10	8.7	1287.0		
	78	5	7.8	2000.0	17.0	-1.0
		11	7.4	1600.0	6.0	3.0
	79	5				
		12				
	80	6	8.1	1300.0	22.5	5.3

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
LOWER AQUIFERS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
WY61	75	4	8.4	2100.0		
		10	9.1	2700.0		
	76	5	8.8	2300.0		
		10	8.8	3099.0		
WY62	75	4	8.8	1200.0		
		10	8.9	1300.0		
	76	5	9.3	630.0		
		10	8.9	2211.0		
	79	12				
WY80	75	4	8.8	1800.0		
	77	11	8.3	1800.0	20.0	4.1
WY81	75	10	9.0	1850.0		
	76	5	8.6	1350.0		
		10	8.8	1889.0		
	78	5	8.1	1850.0	15.0	2.4
		11	7.8	2800.0	11.0	2.0
	79	5				
		12				
	81	7	8.1	1500.0	17.0	4.7
	82	8	8.1	1780.0	8.5	
WY91	74	11	8.4	1400.0		
	75	4	8.6	3100.0		
		10	9.0	1400.0		
	76	5	8.6	1700.0		
		10	8.6	1378.0		
	79	5				
		12				
	80	5	7.3	7190.0	21.0	2.6

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WY01	74	11		.050	2.100	.002	.08	2500.0	62.0	.030		1100.0	4.0	4.0
	75	4		.080	3.400	.008	.30	2700.0	43.0	.010		1100.0	4.0	5.0
		10		1.000	1.200	.002	.20	2200.0	83.0	.030		1000.0	3.0	3.0
	76	10		.600	2.200	.004	.40	2670.0	55.0	.010		1120.0	3.0	4.0
	77	11	4080.0	.300		-.020	1.00	3830.0	247.0		28.0	1320.0	3.0	6.0
	78	5	3100.0	.300	2.830	-.020	1.00	2400.0	700.0	-.100	26.0	3400.0	2.0	5.5
		11	2800.0	-.020	2.900	-.020	3.00	2600.0	200.0	-.100	24.0	1600.0	4.0	8.0
	79	5	2800.0	-.100	3.200	-.020	1.70	2700.0	120.0	-.100	45.0	1500.0	3.4	9.0
		12	2600.0	.100	3.000	-.020	3.90	2400.0	180.0	-.100	22.0	1400.0	2.3	5.0
	80	5	2900.0	-.100	2.800	-.020	4.10	2600.0	290.0	-.100	23.0	1200.0	3.0	4.4
WY09	75	4		.300	197.000		5.00	25000.0	1600.0	10.000		17000.0	10.0	5.0
WY10	76	5		.030	.600	.006	.09	104.0		.100		640.0	111.0	216.0
		10		.030	3.800	.010	.09	287.0		.070		650.0	110.0	127.0
WY12	75	4			4.400	.005	.09	2600.0	62.0	.200		1200.0	15.0	12.0
		10		.500	1.700	.004	.10	1600.0	54.0	.050		780.0	8.0	6.0
	76	5		.090	9.500	.030	.04	3730.0	160.0	.300		2130.0	11.6	6.9
		10		.060	15.500	.060	.02	4300.0	120.0	.080		2320.0	10.0	7.0
	77	11	4250.0	.900		-.020	-.50	4130.0	120.0		44.0	1730.0	7.0	6.0
	78	5	490.0	.500	3.860	.020	-.50	490.0	-1.0	-.100	62.0	3200.0	3.0	11.0
		11	4300.0	.100	22.000	-.020	-.50	3890.0	410.0	-.100	360.0	3000.0	10.0	9.0
	79	5	4500.0	-.100	21.000	.060	-.50	4200.0	300.0	-.100	58.0	2500.0	8.0	8.6
		12	3500.0	-.100	14.000	.160	1.60	3400.0	130.0	-.100	40.0	1900.0	5.5	6.8
	80	5	3600.0	-.100	9.200	.110	-.50	3200.0	400.0	-.100	47.0	1800.0	6.0	6.7
WY17	76	5		.002	16.800	.009	.30	4740.0	130.0	.300		2680.0	7.1	8.9
		10		.090	12.000	.020	.70	3260.0	108.0	.300		1800.0	7.0	10.0
	77	11	4890.0	.400		-.020	2.70	4880.0	10.0		58.0	1700.0	6.6	12.0
	78	5	2200.0	.200	6.550	-.020	3.00	1800.0	400.0	-.100	46.0	2700.0	2.0	10.0
		11	1900.0	.040	6.000	-.020	5.00	1780.0	120.0	-.100	45.0	1300.0	7.0	11.0
	79	5	1800.0	-.100	5.200	-.020	4.40	1700.0	70.0	-.100	52.0	1000.0	5.2	8.6
		12	1700.0	-.100	8.300	-.020	5.70	1700.0	-1.0	-.100	37.0	900.0	4.8	6.8
	80	6	1900.0	-.100	2.500	-.020	6.30	1800.0	68.0	-.100	36.0	930.0	5.0	6.2
WY18	75	4		.200	100.000	.090	8.00	18000.0	720.0	3.000		11000.0	13.0	11.0
		9		.300	150.000	.040	3.00	17000.0	1000.0	7.000		11000.0	7.0	9.0

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WY45	74	11		.900	.100	.030	.04	780.0	160.0	.050		520.0	4.0	4.0
	75	4		.080	1.000	.003	.30	780.0	30.0	.010		320.0	4.0	4.0
		10		.050	.600	.005	.04	710.0	24.0	.010		330.0	3.0	5.0
	76	5			3.100	.003		748.0	21.0			327.0	3.6	4.8
		10		1.000	.600	.020	.10	738.0	30.0	.010		340.0	3.0	5.0
	77	11	940.0	.300		.020	-.50	890.0	46.0		36.0	330.0	3.0	5.0
	78	11	690.0	-.020	1.500	-.020	2.00	580.0	110.0	-.100	340.0	370.0	2.0	6.0
	79	5	640.0	-.100	1.200	-.020	1.70	550.0	90.0	-.100	82.0	330.0	3.2	6.9
		12	730.0	-.100	1.000	-.020	2.00	490.0	240.0	-.100	16.0	270.0	1.8	3.6
	80	6	700.0	-.100	1.000	-.020	3.10	550.0	150.0	-.100	23.0	320.0	2.7	4.7
	81	7	700.0	-.100	1.300	-.020	.80	550.0	150.0	-.100	27.0	310.0	3.1	5.5
	82	5	660.0	-.100	.700	-.020	.50	640.0	3.0	-.100		330.0	2.6	2.8
		8	680.0	-.100	1.000	-.020	.50	650.0	30.0	-.100	14.0	1.0		2.8
		12	650.0	-.100	.600	-.020	.70	650.0	-1.0	-.100	20.0	340.0	3.0	3.1
WY46	74	11		.500	.400	.050	.10	420.0	7.0	.030		230.0	29.0	28.0
	75	4		.400	.400	.010	.20	740.0	18.0	.008		310.0	6.0	7.0
		10		.100	.600	.020	.20	660.0	22.0	.010		290.0	6.0	6.0
	76	5			2.800	.030		716.0	16.0			304.0	5.0	6.3
		10		.040	.360	.007	.10	722.0	14.0	.004		310.0	4.0	6.0
	78	5	650.0	.400	1.100	-.020	.70	600.0	50.0	-.100	60.0	340.0	5.0	8.9
		11	620.0	.200	1.200	-.020	2.00	580.0	40.0	-.100	240.0	380.0	5.0	8.0
	79	5	630.0	-.100	1.100	-.020	1.70	560.0	70.0	-.100	62.0	320.0	3.7	7.8
		12	620.0	-.100	.300	-.020	2.40	470.0	150.0	-.100	22.0	240.0	2.6	4.7
	80	6	680.0	-.100	.900	-.020	5.90	560.0	120.0	-.100	31.0	300.0	3.7	6.5
	81	7	670.0	-.100	1.400	-.020	.80	550.0	120.0	-.100	29.0	300.0	3.4	6.2
WY51	74	11		.400		.030	5.00	22000.0	2000.0	.600		16000.0	14.0	6.0
	75	4		.040	91.000	.200	2.00	21000.0	1700.0	8.000		16000.0	10.0	16.0
		10		.080	130.000	.100	2.00	23000.0	1500.0			16000.0	4.0	6.0
WY52	76	10		.040	25.500	.040	6.00	11300.0	288.0	.600		6140.0	8.0	9.0
	77	11	5370.0	1.000		-.020	2.90	5360.0	5.0		72.0	2700.0	7.9	16.0
	78	5	2400.0	.500	9.180	-.020	-.50	2400.0	-1.0	-.100	56.0	1500.0	5.0	12.0
		11	2200.0	.200	12.000	-.020	6.00	2020.0	180.0	-.100	45.0	1500.0	8.0	15.0
	79	5	580.0	-.100	1.000	-.020	-.50	500.0	80.0	-.100	65.0	290.0	5.6	8.5
		12	1400.0	-.100	5.500	-.020	5.00	1300.0	150.0	-.100	29.0	650.0	3.0	6.8
	80	6	1300.0	-.100	6.100	-.020	5.70	1200.0	110.0	-.100	32.0	720.0	3.3	7.1

NOTE: - INDICATES LESS THAN

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LOWER AQUIFERS

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WY54	75	4		.080	.500	.050	.09	740.0	21.0	.030		330.0	13.0	10.0
		10		.400	1.200	.060	.09	630.0	21.0	.010		280.0	10.0	10.0
	76	10		.070	1.150	.006	.10	677.0	15.0	.006		295.0	6.0	7.0
	78	5	1120.0	.100	1.420	-.020	-.50	1070.0	50.0	.190	90.0	530.0	13.0	40.0
		11	510.0	.200	1.600	-.020	.50	490.0	20.0	-.100	490.0	230.0	110.0	46.0
	79	5	1100.0	-.100	4.500	-.020	2.60	1000.0	110.0	-.100	57.0	680.0	3.2	5.7
		12	600.0	-.100	1.500	-.020	1.60	460.0	140.0	-.100	460.0	210.0	85.0	45.0
	80	6	600.0	-.100	1.000	.030	1.70	520.0	80.0	-.100	30.0	270.0	3.8	5.5
WY61	75	4		.500	6.300	.003	.06	820.0	12.0	.050		450.0	9.0	16.0
		10		.090	3.700	.010	.02	1400.0	60.0	.100		770.0	3.0	2.0
	76	5		.005	5.200	.003	.10	1430.0	35.0	.009		660.0	3.4	5.4
		10		.100	2.200	.009	.20	1860.0	47.0	.010		800.0	4.0	7.0
WY62	75	4			1.800	.009	.06	600.0	18.0	.050		290.0	16.0	8.0
		10		.100	2.500	-.002	.03	700.0	42.0	.050		330.0	7.0	8.0
	76	5		.020	3.000	.002	.07	265.0	17.0	.030		143.0	1.9	4.7
		10		.030	.760	.001	.02	744.0	20.0	.003		320.0	4.0	5.0
	79	12	220.0	-.100	.030	-.020	.50	120.0	100.0	-.100	250.0	160.0	56.0	9.6
WY80	75	4		.010	1.800	.020	-.50	1200.0	30.0			490.0	3.0	3.0
	77	11	1350.0	.600		-.020	2.00	1310.0	42.0		26.0	524.0	2.8	4.0
WY81	75	10		.090	1.100	.006	.10	1196.0	36.0	.006		505.0	3.0	5.0
	76	5		2.000	.300	.030	-.50	880.0	17.0	.020		358.0	1.5	2.6
		10		.300	.950	.030	.50	1150.0	32.0	.006		515.0	3.0	4.0
	78	5	13.0	.300	1.100	-.020	1.00	13.0	-1.0	-.100	34.0	2400.0	2.0	5.0
		11	930.0	.400	1.700	-.020	3.00	870.0	60.0	-.100	60.0	540.0	3.0	6.0
	79	5	1000.0	-.100	1.300	-.020	2.60	920.0	100.0	-.100	50.0	490.0	3.2	6.2
		12	990.0	-.100	1.000	-.020	3.90	750.0	240.0	-.100	20.0	420.0	2.3	4.1
	81	7	1000.0	-.100	1.200	-.020	.70	900.0	120.0	-.100	22.0	470.0	3.0	4.1
	82	8	990.0	-.100	.900	-.020	.50	960.0	30.0	-.100	20.0	600.0	2.6	3.9
WY91	74	11		.400	.100	.020	.08	970.0	17.0	.030		410.0	8.0	19.0
	75	4		.050	6.800	.006	.08	1700.0	26.0	.200		830.0	4.0	4.0
		10		.200	.900	.005	.10	870.0	24.0	.030		370.0	3.0	5.0
	76	5		.100	3.100	.016	.08	1200.0	20.0	.050		548.0	2.9	4.0
		10		.070	3.450	.020	.20	1290.0	24.0	.030		575.0	3.0	5.0
	79	5	790.0	-.100	1.700	-.020	.80	720.0	70.0	-.100	80.0	410.0	4.0	6.9

NOTE: - INDICATES LESS THAN

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LOWER AQUIFERS

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WY91	79	12	1200.0	-.100	5.000	-.020	2.00	1100.0	130.0	-.100	22.0	700.0	2.5	4.9
	80	5	2800.0	-.100	15.000	-.020	3.10	2600.0	210.0	-.100	28.0	1500.0	3.6	5.3

NOTE: - INDICATES LESS THAN

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QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WY01	74	11	.020	.50			9.0	.70	2500.0	.4	-4.0	64.0		.006	.090
	75	4		.90			14.0	.90	2500.0	.6	12.0	30.0		-.010	.030
		10	.020	2.90			4.0	.80	2200.0	.2	-4.0	9.0		-.010	.020
	76	10	.005	.02			5.0	1.00	2570.0	.4	10.0	17.0		.004	.030
	77	11	-.020	1.40	58.0		5.5	.91	-.1	1.4	353.0	21.0	52.0	.020	-.100
	78	5	.200	6.00	16.0	.0040	.4	9.00	-.1	.8	86.0	28.0	42.0	-.100	-.200
		11	.020	2.00	10.0	.0060	6.0	.90	-.1	1.0	3.0	20.0	2.0	-.020	-.020
	79	5	.500	44.00	5.0	-.0010	3.0	1.00		.7	-5.0	30.0	2.0	-.020	-.020
		12	-.020	58.00	2.0	.0190	4.2	.60	3200.0	.7	-5.0	2.0	29.0	.040	-.020
	80	5	-.010	-.50	-1.0	-.0010	6.1	.90	3300.0	.3	-5.0	68.0	9.0	-.020	-.020
WY09	75	4	.080	.50			122.0	405.00	42000.0	2.0	25.0	9800.0		-.010	.900
WY10	76	5	-.007	.20			11.3	.60	2753.0	10.3	329.0	1370.0		.010	.040
		10	.008	-.02			10.0	.60	2550.0	8.7	211.0	1263.0		.020	.020
WY12	75	4	.100	-.10			12.0	12.00	3000.0	.9	150.0	280.0		-.010	.090
		10	.020	1.80			5.0	.70	1900.0	1.0	-4.0	68.0		-.010	.030
	76	5		.10			20.0	10.00	5236.0	.4	316.0	610.0		.003	.090
		10	-.020	.28			20.0		5747.0	.2	313.0	700.0		.002	.020
	77	11	.040	7.30	15.0		28.0	17.90	-.1	1.3	91.0	470.0	60.0	.020	.020
	78	5	.200	9.00	11.0	-.0010	.8	30.00	-.1	1.0	140.0	720.0	32.0	-.100	-.200
		11	.500	8.00	20.0	.0030	22.0	34.00	-.1	1.0	190.0	360.0	30.0	-.020	-.020
	79	5	3.000	92.00	10.0	.0090	9.2	26.00		.9	190.0	640.0	43.0	-.020	-.020
		12	.500	58.00	5.0	.1800	13.0	15.00	500.0	.9	10.0	7.4	27.0	.040	-.020
	80	5	.100	-.50	9.0	-.0010	25.0	15.00	4700.0	.6	-5.0	400.0	26.0	-.020	-.020
WY17	76	5	.020	.12			18.6	7.00	6486.0	.4	41.0	1064.0		.003	.008
		10		-.02			11.0	9.00	4300.0	.6	7.0	640.0		.005	.030
	77	11	.020	4.40	9.4		11.0	12.60	-.1	2.6	222.0	390.0	32.0	-.020	.030
	78	5	-.100	15.00	-1.0	-.0010	.5	10.00	-.1	2.0	70.0	300.0	36.0	-.100	-.200
		11	.020	-.10	1.0	.0100	10.0	8.00	-.1	2.0	4.0	200.0	20.0	-.020	-.020
	79	5	-.020	8.00	8.0	.0050	3.2	6.20		1.2	-5.0	190.0	13.0	-.020	-.020
		12	-.020	8.00	12.0	.0170	6.6	5.50	2380.0	1.3	9.0	4.0	37.0	.040	-.020
	80	6	-.010	-.50	1.0	-.0010	6.7	5.80	2300.0	1.8	-5.0	230.0	18.0	-.020	-.020
WY18	75	4	.040	.50			85.0		28000.0	6.0	120.0	6900.0		-.010	.040
		9	.020	.20			91.0	200.00	28000.0	2.0	-4.0	6200.0		-.010	.200

NOTE: - INDICATES LESS THAN

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LOWER AQUIFERS

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WY45	74	11	.070	-.10				1.10	1200.0	.4	96.0	36.0		.003	.100
	75	4	.030	-.10			7.0	.43	800.0	1.0	17.0	4.0		-.010	.030
		10		.20			8.0	.60	780.0	.5	-4.0	38.0		-.010	.020
	76	5		.10			6.6		792.0	.7	25.0	4.4			
		10	.008	.08			10.0	.05	817.0	.3	17.0	9.0		.010	.200
	77	11	-.020	.40	7.8		15.0	.70	-.1	2.3	62.0	12.0	40.0	-.020	.020
	78	11	.040	-.10	9.0	.0100	18.0	.80	-.1	2.0	6.0	15.0	20.0	-.020	-.020
	79	5	-.020	35.00	13.0	-.0010	3.4	1.00	770.0	2.3	10.0	5.6	8.3	-.020	-.020
		12	-.020	15.00	2.0	.0080	10.0	.70	790.0	1.2	-5.0	2.0	5.2	-.020	-.020
	80	6	.020	-.50	11.0	-.0010	5.8	.70	800.0	2.4	-5.0	36.0	7.0	-.020	-.020
	81	7	.020	-.50	-10.0	.0050	12.0	.70	790.0	2.0	30.0	6.3	-50.0	-.020	-.020
	82	5	-.010	-.50	-10.0	-.0010	8.8	.40	870.0	-.5	-5.0	4.0	140.0		-.020
		8	.020	-.50	-10.0	-.0400		.90	820.0	1.0	-5.0	9.7	130.0	-.020	.100
		12	-.010	-.50	-10.0	-.0010	2.1	.90	780.0	1.2	-5.0	6.8	-50.0	-.020	-.020
WY46	74	11	.100	1.00			6.0	1.40	890.0	5.0	350.0	9.0		.005	.030
	75	4	.080	-.10			3.0	.64	760.0	1.0	14.0	3.0		-.010	.020
		10	.020	.20			3.0	.80	720.0	2.0	33.0	3.0		-.010	.007
	76	5		-.04			4.2		744.0	.9	25.0	1.0			
		10	.008	.22			2.0	.10	748.0	.6	22.0	3.0		.009	.004
	78	5	-.100	6.30	6.0	-.0010	4.0	.40	-.1	3.0	320.0	10.0	44.0	-.020	-.020
		11	.020	-.10	20.0	-.0010	3.0	.50	-.1	4.0	9.0	9.0	6.0	-.020	-.020
	79	5	-.020	20.00	15.0	-.0010	1.5	.30	750.0	3.0	11.0	3.5	6.2	-.020	-.020
		12	.080	-.10	2.0	.0020	9.9	.70	720.0	2.1	-5.0	2.4	26.0	-.020	-.020
	80	6	.010	-.50	13.0	-.0010	3.0	.80	770.0	4.1	-5.0	59.0	18.0	-.020	-.020
	81	7	.010	-.50	-10.0	.0120	8.0	.60	770.0	2.6	34.0	4.2	96.0	-.020	-.020
WY51	74	11	.010	-.10			125.0	315.00	39000.0	3.0	2.0	8150.0		.007	.200
	75	4	.100	.60			120.0	305.00	39000.0	1.0	90.0	9600.0		-.010	.200
		10	.030	.30			122.0	310.00	39000.0	.8	-4.0	8200.0		-.010	.020
WY52	76	10		.06			34.0		15870.0	1.2	20.0	3280.0		.007	.100
	77	11	.020	22.00	21.0		15.0	39.20	-.1	3.7	16.0	1160.0	320.0	-.020	.060
	78	5	.100	11.00	18.0	-.0010	8.6	21.00	-.1	3.0	4.0	590.0	8.0	-.020	-.200
		11	.100	.20	2.0	.0070	8.3	20.00	-.1	3.0	-5.0	210.0	4.0	-.020	-.020
	79	5	.020	29.00	25.0	-.0010	2.0	.60		2.2	7.0	11.0	4.0	-.020	-.020
		12	.030	18.00	10.0	-.0010	3.7	9.00	1900.0	1.7	7.0	20.0	9.0	.020	-.020
	80	6	-.010	-.50	1.0	-.0010	3.8	8.50	1800.0	2.4	-5.0	270.0	9.0	-.020	-.020

NOTE: - INDICATES LESS THAN

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LOWER AQUIFERS

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WY54	75	4	.200	-.10			5.0	1.10	870.0	2.0	82.0	20.0		-.010	.010
		10	.080	-.10			2.0	2.70	710.0	1.0	38.0	9.0		-.010	.004
	76	10	-.050	.34			3.0	.30	726.0	.4	29.0	8.0		.020	.009
	78	5	-.100	5.40	15.0	.0020	9.0	3.00	-.1	3.0	8.2	94.0	150.0	-.020	-.200
		11	.020	-.10	2.0	.0100	3.0	.40	-.1	4.0	400.0	13.0	10.0	-.020	-.020
	79	5	1.000	17.00	19.0	-.0010	3.2	7.80		1.6	6.0	200.0	17.0	-.020	-.020
		12	.030	41.00	4.0	.0100	3.9	.40	1100.0	6.0	450.0	3.6	3.0	.020	.030
	80	6	.060	-.50	11.0	-.0010	2.1	.60	700.0	2.9	-5.0	47.0	7.0	-.020	-.020
WY61	75	4	.010	1.60			32.0	.65	1300.0	.7	180.0	160.0		-.010	.030
		10	.100	3.40			13.0	.20	1700.0	.1	16.0	131.0		-.010	.005
	76	5	.010	.96			7.3	.20	1542.0	.2	82.0	19.0		.003	.010
		10	.020	.24			6.0	.70	1894.0	.2	26.0	50.0		.005	.040
WY62	75	4	.100	-.10			11.0	.70	830.0	.7	110.0	73.0		-.010	.010
		10	.060	2.90			5.0	.40	810.0	.6	-4.0	48.0		-.010	.003
	76	5	.030	-.04			2.5	.10	356.0	.3	16.0	31.0		-.010	.030
		10	.020	.16			2.0	.30	776.0	.3	17.0	12.0		.007	.010
	79	12	.090	260.00	11.0	.0120	1.2	.20	850.0	.9	290.0	100.0	66.0	-.020	-.020
WY80	75	4	.008	.20			1.0	1.10	1200.0	.8	24.0	3.0		-.010	.020
	77	11	-.020	1.80	15.0		1.6	.91	-.1	2.7	16.0	6.0	140.0	.020	.030
WY81	75	10	.030	.04			1.6	.08	1197.0	.4	29.0	10.0		.007	.030
	76	5	-.008	-.04			3.1	.05	885.0	.3	25.0	4.4		.010	
		10	-.004	-.02			2.0	.05	1167.0	.6	-4.0	7.0		.009	.010
	78	5	.300	4.00	21.0	-.0010	.1	.70	-.1	3.0	66.0	8.0	10.0	.100	-.200
		11	.020	.20	10.0	.0020	1.0	.80	-.1	3.0	-5.0	6.0	20.0	-.020	-.020
	79	5	.020	-.10	17.0	-.0010	.7	.70		2.2	-5.0	3.4	2.1	-.020	-.020
		12	.080	.10	4.0	-.0010	.9	.70	1100.0	2.3	6.0	1.8	12.0	-.020	-.020
	81	7	-.010	-.50	-10.0	.0070	5.4	.80	1100.0	2.1	-5.0	5.3	-50.0	-.020	-.020
	82	8	-.010	-.50	-10.0	-.0400	1.5	1.00	1100.0	1.2	5.5	7.8	-50.0	-.020	-.020
WY91	74	11	.070	-.10			5.0	4.90	1000.0	2.0	67.0	28.0		.006	.030
	75	4	.040	-.10			7.0	4.30	2000.0	.2	57.0	138.0		-.010	.009
		10	.020	.20			2.0	1.40	880.0	.3	-4.0	11.0		-.010	.004
	76	5	.030	.12			3.7	.30	1316.0	.4	12.0	80.0		.020	.020
		10	.020	.24			4.0	.80	1411.0	.2	12.0	96.0		.007	.020
	79	5	-.020	10.00	20.0	.0070	2.2	1.00		1.9	-5.0	29.0	13.0	-.020	.020

NOTE: - INDICATES LESS THAN

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LOWER AQUIFERS

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WY91	79	12	-.020	12.00	6.0	.0120	4.5	8.40	1720.0	2.1	6.0	7.6	4.0	-.020	-.020
	80	5	.030	-.50	5.0	.0010	16.0	30.00	4100.0	1.3	-5.0	700.0	40.0	-.020	-.020

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	SIO2 (MG/L)	CYAN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WY01	74	11	12.0		-.10					.040	.008	-.50	.200	.30	16.00
	75	4	15.0		-.10		.00010	.004		.090	.020	-.50	.002	-.05	28.00
		10	13.0		-.10		-.00010			.030	.020	-.50	.100	.40	23.00
	76	10	17.0		.04		.00007	-.002		.010	.008	-.50	-.100	-.10	28.00
	77	11	-.1			3.06			-.010	.050	.040	.03	.020	.20	31.00
	78	5	-.1			3.32	.00100		.060	-.100	-.100	.08	-.100	-5.00	32.00
		11	-.1			3.60	-.02000	-.020	-.020	-.020	-.020	.04	.060	-.50	31.00
	79	5				9.00	-.02000	-.020	-.010	-.020	-.050	.02	.070	-.50	29.00
		12				1.90	-.02000	-.020	-.010	.020	.040	-.05	.070	.02	31.00
	80	5				2.90	-.00020	.030	-.010	.010	.020	-.05	.100	.30	28.00
WY09	75	4	21.0		.70		.00010		.020	.030	.040	79.00	.100	3.10	47.00
WY10	76	5	2.0		.05		.00020	-.003		.020	.004	.50	.200	-.10	4.40
		10	11.0		.01		.00006	-.003	-.010	.090	-.010	-.50	.600	2.40	4.00
WY12	75	4	13.0		-.10		.00030			.100	.020	1.30	.100	-.05	21.00
		10	11.0		-.10		.00010			.200	.010	-.50	.100	.10	20.00
	76	5	11.0		.02		.00003			.030	-.010	4.10	.100	-.10	28.00
		10	17.0		.02		.00009	-.008		.009	-.030	5.00	.100	-.10	25.00
	77	11	-.1			12.00			-.010	-.020	.100	2.50	.030	.04	28.00
	78	5	-.1			23.40	.00100		-.200	-1.000	-.100	5.00	-.200	-5.00	30.00
		11	-.1						-.020	.020	-.020	5.00	.100	1.00	32.00
	79	5				12.00	-.02000	-.020	-.010	-.020	-.050	2.70	.070	-.50	31.00
		12				9.00	-.02000	-.020	-.010	-.020	-.020	2.10	.050	-.02	32.00
	80	5				10.00	-.00020	-.010	-.010	.020	.040	1.70	.060	.10	28.00
WY17	76	5	17.0		-.02		-.00010	-.002		.005	.005	5.00	.100	-.10	21.00
		10	17.0		.04		.00009	-.003		.005	.020	2.60	.100	-.10	21.00
	77	11	-.1			4.99			-.010	-.020	.100	1.40	.050	.06	22.00
	78	5	-.1			6.70	.00100		-.020	-.100	.200	1.00	-.200	-5.00	23.00
		11	-.1			8.00	-.02000	-.020	-.020	.030	-.020	.80	.060	.60	22.00
	79	5				3.00	-.02000	-.020	-.010	-.020	-.050	.40	.040	-.50	22.00
		12				4.90	-.02000	-.020	-.010	.100	-.020	.70	.040	-.02	21.00
	80	6				4.80	-.00020	.020	-.010	.020	-.020	.60	.020	-.02	28.00
WY18	75	4	24.0		-.10		-.00010	.020		.050	.070	43.00	.090	1.50	34.00
		9	20.0		-.10		.00010	.006	-.010	.020	.070	58.00	.100	7.90	37.00
WY45	74	11	12.0		-.10		.00190			.200	.020	-.50	.060	.20	10.00

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LOWER AQUIFERS

WELL	YR	MO	SIO2 (MG/L)	CYAN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WY45	75	4	10.0		-.10		.00010	.002		.700	.010	-.50	.040	-.05	19.00
		10	6.0		-.10		-.00010			.005	.020	-.50	.020	-.05	17.00
	76	5	11.0		.08								-.100	.30	16.00
		10	12.0		.03		.00004	-.004		.040	.100	-.50	.100	6.00	20.00
	77	11	-.1			1.37			-.010	-.020	-.050	.04	-.020	.10	20.00
	78	11	-.1			3.00	-.02000	-.020	-.020	-.020	-.020	.05	-.020	-.50	19.00
	79	5				-1.00	-.02000	-.020	-.010	-.020	-.050	.03	.050	.01	20.00
		12				1.30	-.02000	.020	-.010	-.020	-.020	-.05	-.020	-.02	20.00
	80	6				1.10	-.00020	-.010	-.010	-.010	.020	-.05	.030	.02	19.00
	81	7	9.2			1.70	-.00020	-.010	-.010	-.020	-.020	-.05	.020	.03	21.00
	82	5	11.0				-.00020	-.010		.080	.020	-.05	.030	.60	25.00
		8	10.0		.04		-.01000		******	-.020	-.050	1.70		.03	19.00
		12	12.0		-.01		-.00020	-.010	-.010	.020	.030	-.05	-.020	.40	21.00
WY46	74	11	16.0		-.10		.00090			.050	.030	-.50	.200	.18	9.00
	75	4	19.0		-.10		.00040	.003		.050	.020	-.50	.300	-.05	16.00
		10	13.0		-.10		-.00010		-.002	.020	.008	-.50	.100	-.05	17.00
	76	5	13.0		.02								-.100	.10	15.50
		10	14.0		.03		.00007	-.002		.010	-.010	-.50	-.100	.10	17.00
	78	5	-.1			1.50	.00100		-.020	-1.000	.200	.05	.040	.10	18.70
		11	-.1			2.80	-.02000	-.020	-.020	-.020	-.020	.05	.030	-.50	19.00
	79	5				-1.00	-.02000	-.020	-.010	-.020	-.050	.03	.080	.02	18.00
		12				.10	-.02000	.020	-.010	-.020	.020	.05	-.020	-.02	18.00
	80	6				1.00	-.00020	.020	-.010	-.010	.020	.06	.020	.03	18.00
	81	7	10.0			1.40	-.00020	-.010	-.010	-.020	-.020	-.05	.030	-.02	20.00
WY51	74	11	24.0		-.10		.00260			.030	.030	79.00	.070	2.30	48.00
	75	4	38.0		-.10		.00020	.010		.050	.400	63.00	.040	-.05	46.00
		10	21.0		-.10		.00200	.006	.020	.010	.040	76.00	.040	7.70	42.00
WY52	76	10	19.0		.24		.00023		-.010	.030	-.030	23.00	.100	1.80	26.00
	77	11	-.1			19.00			-.010	-.020	.200	6.00	.100	.60	22.00
	78	5	-.1			12.80	.00100		-.020	-1.000	.600	4.00	.050	-5.00	22.00
		11	-.1			9.90	-.02000	-.020	-.020	-.020	-.020	3.00	.040	-.50	22.00
	79	5				-1.00	-.02000	-.020	-.010	-.020	-.050	.03	.030	-.50	18.00
		12				5.00	-.02000	-.020	-.010	-.020	-.020	1.40	.040	-.02	20.00
	80	6				6.10	-.00020	-.010	-.010	.010	.020	1.20	.030	-.02	22.00
WY54	75	4	10.0		-.10		.00030	.004		4.000	.040	-.50	.050	-.05	14.00
		10	13.0		-.10		.00010			.060	.004	-.50	.050	.80	14.00

NOTE: - INDICATES LESS THAN

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WELL	YR	MO	SIO2 (MG/L)	CYAN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WY54	76	10	11.0		-.02		.00010			.010	.030	-.50	-.100	.10	17.00
	78	5	-.1			2.98	.00100		-.020	-1.000	.200	.60	-.020	-5.00	9.60
		11	-.1			3.40	-.02000	-.020	-.020	-.020	.100	.07	.090	-.50	1.90
	79	5				2.00	-.02000	-.020	-.010	-.020	-.050	.90	.030	-.50	20.00
		12				3.00	-.02000	-.020	-.020	.300	.040	.06	.200	1.60	2.50
	80	6				1.00	.00020	-.010	-.010	-.010	.020	.05	.020	-.02	17.00
WY61	75	4	5.0		-.10		.00270			.030	.010	-.50	.200	-.05	11.00
		10	3.0		-.10		.00010			.060	.006	-.50	.030	.20	20.00
	76	5	9.0		.07		-.00003			.010	-.005	-.50	.100	-.10	16.40
		10	15.0		.07		.00006	-.001		.020	-.004	-.50	.100	-.10	22.00
WY62	75	4	2.0		-.10		.00160				.010	-.50	.020	-.05	12.00
		10	4.0		-.10		-.00010	.001	-.002	.200	.003	-.50	.060	-.05	15.00
	76	5	2.0		.04		-.00003			.050	-.020	-.50	-.100	.10	6.50
		10	11.0		-.02		.00015	-.004			.010	-.50	-.100	.10	17.00
	79	12				1.10	-.02000	.240	-.010	-.020	-.020	.07	.050	-.02	.30
WY80	75	4	13.0		-.10		.00010			.500	.009	-.50	.050	-.05	26.00
	77	11	-.1			.84			-.010	-.020	.100	.06	.030	.50	23.00
WY81	75	10	5.0		.06			-.001	-.001	.030	.050	-.50	-.100	.30	14.00
	76	5	21.0		.24		-.00003			.020	-.010	-.50	-.100	1.20	16.60
		10	14.0		.07		.00006	-.002		.020	-.008	-.50	-.100	-.10	23.00
	78	5	-.1			2.12	.00300		.020	-.100	.100	.10	-.200	-5.00	24.00
		11	-.1			3.00	-.02000	-.020	-.020	-.020	-.020	.08	-.020	-.50	24.00
	79	5				1.00	-.02000	-.020	-.010	.030	-.050	.05	-.020	.10	22.00
		12				.80	-.02000	-.020	-.010	-.020	-.020	.08	-.020	-.02	23.00
	81	7	13.0			1.20	-.00020	-.010	.010	-.020	-.020	.07	-.020	.20	24.00
	82	8	11.0		.09		-.00020	-.010		-.020	.050	.07	-.020	.10	22.00
WY91	74	11	13.0		-.10			.005	.009	1.000	.010	-.50	.090	.68	18.00
	75	4	12.0		-.10		.00020			.050	.010	1.50		-.05	25.00
		10	14.0		-.10		-.00100			.010	-.004	-.50	.030	.90	19.00
	76	5	13.0		-.02		-.00003			.070	-.010	.80	.100	-.10	21.00
		10	17.0		.02		.00011	.002		.020	-.006	.90	-.100	.20	20.00
	79	5				1.00	-.02000	-.020	-.010	-.020	-.050	.20	.030	-.50	21.00
		12				5.60			-.020	.040	-.020	1.60	.040	-.02	21.00
	80	5				16.00	-.00020	.300	-.010	.020	.020	4.60	.100	.09	22.00

NOTE: - INDICATES LESS THAN

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LOWER AQUIFERS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S2O3 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WY01	74	11						.009						.002
	75	4						.060						.009
		10						.008						.020
	76	10			.010									.010
	77	11			-.020	-.1		.200	-.1	3430.0				
	78	5			-.020	219.0		-.100	-.1	3400.0				
		11			-.020	79.0		-.020	8.0	3300.0				
	79	5	-1.00	-1.0	-.020		-.05	-.020	4.0					
		12				6.0		-.020						
	80	5				72.0		-.020						
WY09	75	4				25.0					.006			3.000
WY10	76	5			-.010	6.6								.020
		10												.030
WY12	75	4				4.0		.020			.020			.100
		10						.004						.020
	76	5				11.0								.070
		10												.010
	77	11			-.020	-.1		.070	-.1	4780.0				
	78	5			-.020	41.0		-.100	-.1	6300.0				
		11			-.020	-.1		-.020	-.1	6430.0				
	79	5	-1.00	-1.0	-.020		-.05	.050	8.0					
		12				337.0		.020						
	80	5				46.0		-.020						
WY17	76	5				58.0								.070
		10												.005
	77	11			-.020	-.1		.040	-.1	3510.0				
	78	5			-.020	162.0		-.100	-.1	3000.0				
		11			-.020	82.0		-.020	7.0	2700.0				
	79	5	-1.00	-1.0	-.020		-.05	-.020	-1.0					
		12				10.0		-.020						
	80	6				14.0		-.020						
WY18	75	4				20.0								2.000
		9				15.0					-.003			1.000
WY45	74	11						.020						.070

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S2O3 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
*Y45	75	4				5.0		-.001			.002			.040
		10						.010			-.001			.003
	76	5				5.8								
		10						.020						.010
	77	11			-.020	-.1		.020	-.1	913.0				
	78	11		-1.0	-.020	-.1	.04	-.020	11.0	1000.0				
	79	5	-1.00	-1.0	-.020		-.05	-.020	2.0					
		12				3.6		-.020						
	80	6				7.0		-.020						
	81	7				7.0		-.020						
	82	5				8.0								
		8				-1.0		9.100						
		12				38.0								
*Y46	74	11						.006						.020
	75	4				2.0		-.001						.030
		10						.004						.002
	76	5				5.0								
		10						.003						.008
	78	5	-1.00		-.020	-2.0		-.100	-.1	720.0				
		11			-.020	50.0		-.020	10.0	740.0				
	79	5	-1.00	-1.0	-.020		-.05	.030	-1.0	750.0				
		12				3.3		-.020						
	80	6				3.0		-.020						
	81	7				3.0		-.020						
*Y51	74	11												.040
	75	4				26.0					.006			4.000
		10			-.007	23.0								.100
*Y52	76	10												.040
	77	11			-.020	-.1		.040	-.1	6320.0				
	78	5			-.020	523.0		-.100	-.1	340.0				
		11			-.020	57.0		.030	6.0	3400.0				
	79	5	-1.00	-1.0	-.020		-.05	-.020	-1.0					
		12				8.6		-.020						
	80	6				10.0		-.020						
*Y54	75	4				3.0		.040						.010
		10						.006						.010

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S2O3 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WY54	76	10						.020						.040
	78	5			-.020	-2.0		-.100	-.1	1500.0				
		11			-.020	50.0		-.020	5.0	1200.0				
	79	5	-1.00	-1.0	-.020		-.05	-.020	-1.0					
		12				21.4		-.020						
	80	6				7.0		-.020						
WY61	75	4				7.0		.020						.010
		10				35.0		.005			-.001		-.001	-.001
	76	5				9.0		.005						-.001
		10												.003
WY62	75	4						.006			.020			.020
		10						.008						
	76	5				8.4		.007						.005
		10						.010						.005
	79	12				5.2		-.020						
WY80	75	4						.006			.001			.010
	77	11			-.020	-.1		-.020	-.1	1210.0				
WY81	75	10				4.0		.010			.003			.040
	76	5				35.0		.010						.001
		10						.010						-.002
	78	5			-.020	1.0		-.100	-.1	1200.0				
		11		-1.0	-.020	-.1	.04	-.020	11.0	1000.0				
	79	5	-1.00	-1.0	-.020		-.05	-.020	-1.0					
		12				8.9		-.020						
	81	7				4.0		-.020						
	82	8				-1.0		.020						
WY91	74	11			.100			.003						.010
	75	4												.050
		10						.004						.005
	76	5				175.0		.020						.020
		10												-.003
	79	5	-1.00	-1.0	-.020		-.05	-.020	2.0					
		12						-.020						
	80	5				14.0		.020						

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	W (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
WY01	74	11	.002				.010			.050	-.001		.010	.002	
	75	4	.004		.004		.040		.003	.200	-.003		.010	.004	
		10	.008		.003	-.002	.010	-.001	-.001	.010	-.001		-.001	.001	-.001
	76	10	.002		.002	-.001	.020	-.002	.001	.050	-.003		.004	-.001	.001
	77	11													
	78	5											-.100	-.100	
		11											-.100	-.100	
	79	5													
		12											-.020		
	80	5											-.020		
WY09	75	4	2.000		.400	-.020	.400	.050	-.030	.030	.010			.100	-.001
WY10	76	5	.002	-.020	.001	-.001	.050		-.001	.300	-.002		.003	.002	
		10	.005	.010	.002	-.001	.040	.020	.007	.200	-.004		.020	.001	-.001
WY12	75	4	.060	.007	.080		.100		.002	.006	.002	.010	-.001	-.001	-.001
		10	.010		-.001		.006			.050	-.001		-.001	-.001	
	76	5	.060	-.010	.009		.030		.002	.200	-.002		-.006	-.006	
		10	.060	-.010	.010	-.020	.010	-.020	.010	.080	-.010	-.020	-.010	-.006	
	77	11													
	78	5											-.100	-.100	
		11											-.100	-.100	
	79	5													
		12											-.020		
	80	5											.090		
WY17	76	5	.200	.002	.008		.020		-.001	.030	-.002		-.002	.007	
		10	.050		.003		.010		-.004	.200	-.008		.002	-.001	-.001
	77	11													
	78	5											-.100	-.100	
		11											-.100	-.100	
	79	5													
		12											.020		
	80	6											-.020		
WY18	75	4	2.000		.300	-.030	.400	.020	-.060	1.000	-.008	.040	-.020	.030	.001
		9	2.000	.040	.300	-.003	.300	-.040	-.030	.100	-.010		-.008	-.040	.001
WY45	74	11	.006	.030	.004		.100		.002	.080	.002		.006	.003	-.001
	75	4		.006	-.001	-.001	.040	.002	-.001	.080	-.001	.020	.004	-.001	

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	W (MG/L)	CU (MG/L)	V (MG/L)	BE (MG/L)
WY45	75	10	.003	-.001			.010	-.001		.010	-.001	.004	-.001	-.001	
	76	5													
		10	.002	.040	.003		.040		-.003	.010	-.007		-.009	.001	
	77	11													
	78	11											-.100	-.100	
	79	5													
		12											-.020		
	80	6											-.020		
	81	7													
	82	5													
		8											-.020		
		12													
WY46	74	11	.010				.050			.100	.003		.003	.002	.002
	75	4	.003	.002	.010	-.001	.020		-.001	.030	.002	.050	.001	.001	
		10	-.001				.009			.090	-.001			-.001	
	76	5													
		10	.002		.002		.007		-.003	.030	-.001		-.007	-.001	
	78	5											-.100	-.100	
		11											-.100	-.100	
	79	5													
		12											-.020		
	80	6											-.020		
	81	7													
WY51	74	11	.500	.006	.900	.030	.040	.050	.020	.200	.010		.030	.020	.002
	75	4	3.000	.080	.600	-.010	.900		-.030	.300	-.007	.020	-.009	.100	
		10	2.000		.200	-.008	.040	-.007	-.010	.200	-.004		.020	-.050	-.001
WY52	76	10	.080	-.010	.100	-.030	.200		-.007	.100	.010		-.020	.030	.001
	77	11													
	78	5											-.100	-.100	
		11											-.100	-.100	
	79	5													
		12											-.020		
	80	6											.020		
WY54	75	4	.020	.004		.010	.050			.030	.004	.009	-.001	.002	
		10	.006				.020		-.001	.060	-.002		-.001	.002	
	76	10			.009		.050		.005	-.080	-.006		-.010	.001	
	78	5											-.100	-.100	

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	W (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
WY54	78	11											-.100	-.100	
	79	5													
		12											.020		
	80	6											-.020		
WY61	75	4	.020			.010	.090		.001	.050	.006		-.001	.002	
		10	.040	.006	.002		.050	-.003	-.001	.020	-.001	.006	-.001	.002	
	76	5	.002	.004			.010			.010	-.001		-.001	.001	
		10	.001		-.001		.009	-.001	.001	1.000	-.004		-.002	.001	.001
WY62	75	4	.020	.002			.040		-.001	.050	.003		-.001	-.001	
		10	.004				.020			.040	-.001		-.001	-.001	
	76	5	.010	-.004	-.003		.040		-.003	.040	-.002		-.005	.002	
		10	.002		.002		.005		.002	.030	-.005		.006	-.001	
	79	12											-.020		
WY80	75	4	.003		.002	-.001	.006		.002	.010	.002	.010		.001	
	77	11													
WY81	75	10	.001	-.001	.001	-.001	.040		.001	.400	-.001	-.002	-.002	-.001	-.001
	76	5	-.001		-.002		.010			.300	-.004		-.001	.001	
		10	.001		.007		.010	-.002	.002	.020	-.003		-.004	-.001	-.001
	78	5											-.100	-.100	
		11											-.100	-.100	
	79	5													
		12											-.020		
	81	7													
	82	8													
WY91	74	11	.010	.009			.050		.003	.100	.002	.010	.002	.002	.001
	75	4	.100	.010	.005		.010		.002	.300	.002	.008	.002	.004	
		10	.003		-.001		.010	-.001		.010	-.001			-.001	
	76	5	.008		.004	.001	.030		.003	.040	-.003		-.009	.003	
		10	.003	-.001	.006		.006		.001	.040	-.002		.003	-.003	-.001
	79	5													
		12											-.020		
	80	5											.100		

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WY01	74	11	-.1						4.0			
	75	4	-.1						18.0			
		10	-.1						8.0			
	76	10							19.0			
	77	11		-.100								
	78	5	-.1	-.100					3.0			
		11	-.1	-.100						8.0		
	79	5							.6	6.0		
		12							6.0	72.0	.4	
	80	5										
WY09	75	4	-.1						320.0			
WY10	76	5								15.0		
		10							9.9	6.0		
WY12	75	4	-.1						23.0			
		10	-.1						13.0			
	76	5										
		10							33.0			
	77	11		-.100								
	78	5	-.1	-.100					.7			
		11	-.1	-.100								
	79	5							7.6	5.0		
		12							3.7	1.0		
	80	5										
WY17	76	5										
		10							17.0	2.0		
	77	11		-.100								
	78	5	-.1	-.100					1.0			
		11	-.1	-.100					.4	42.0	2.1	
	79	5							9.8	3.0		
		12							4.5	43.0	.6	
	80	6							3.3	3.0		
WY18	75	4	-.1						3.0			
		9	-.1						20.0			
WY45	74	11	-.1						4.0	41.0		

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WY45	75	4	-.1						10.0			
		10	-.1						9.0			
	76	5										
		10							18.0	33.0		
	77	11		-.100								
	78	11	-.1	-.100					1.2	2.0		
	79	5							11.0	3.0		
		12							26.0	148.0	3.0	
	80	6							10.3	21.0		
	81	7					-.10					
	82	5										
		8							2.0	12.0		
		12										
WY46	74	11	-.1						2.0			
	75	4	-.1						7.0			
		10	-.1						10.0			
	76	5										
		10							8.5	24.0		
	78	5	-.1	-.100					3.5	17.0		
		11	-.1	-.100					5.2			
	79	5							6.7	3.0		
		12							24.0	63.0	2.2	
	80	6							90.0	97.0		
	81	7					-.10					
WY51	74	11	-.1						43.0	390.0		
	75	4	-.1						460.0			
		10	-.1						36.0			
WY52	76	10								70.0		
	77	11		-.100								
	78	5	-.1	-.100								
		11	-.1	-.100					.4	52.0	2.0	
	79	5							7.0			
		12							5.3	22.0		
	80	6										
WY54	75	4	-.1						8.0			
		10	-.1						7.0			

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	OH (MG/L)	CN (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WY54	76	10							6.0	16.0		
	78	5	-.1	-.100								
		11	-.1	-.100					1.6	20.0		
	79	5							1.6			
		12							1.5	3.0		
	80	6							2.5	15.0		
WY61	75	4	-.1						4.0	12.0		
		10	-.1						16.0			
	76	5							18.0	4.0		
		10							6.2	33.0		
WY62	75	4	-.1						6.0			
		10	-.1						3.0			
	76	5							1.3			
		10							4.4			
	79	12							4.5	2.0		
WY80	75	4	-.1						3.0			
	77	11		-.100								
WY81	75	10										
	76	5							4.0	11.0		
		10							6.6	9.0		
	78	5	-.1	-.100					2.0			
		11	-.1	-.100					2.0	9.0		
	79	5							.3	1.0		
		12							6.0	9.0		
	81	7					-.10		7.0	6.0		
	82	8								3.0		
WY91	74	11	-.1						4.0			
	75	4	-.1						6.0			
		10	-.1						6.0			
	76	5										
		10							8.4	34.0		
	79	5							7.3	1.0		
		12										
	80	5										

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
LOWER PARACHUTE CREEK
LPC3 - WG LPC4 - WH

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
WG10	80	1				
		5	7.3	1460.0	13.5	.5
WG12	81	7	8.1	4690.0	23.0	.6
	82	11	8.4	4640.0	8.5	
WG17	81	7	11.2	5620.0	25.0	2.5
WG18	81	7	7.6	1390.0	24.0	1.0
WG20	81	7	8.8	2830.0	25.0	3.1
	82	9	9.5	2720.0	12.0	
WG21	81	7	9.0	1460.0	20.0	4.3
WG41	81	7	9.0	1183.0	19.0	1.0
WG51	81	7	10.4	2520.0	18.0	1.5
WG52	81	7	7.9	1690.0	22.0	1.6
WG61	81	7	8.0	1090.0	20.0	2.4
WG91	81	7	8.0	2600.0	24.0	5.5
WH21	81	7	8.9	850.0	21.0	3.3

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER PARACHUTE CREEK

LPC3 - WG LPC4 - WH

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WG10	80	1	410.0	-.100	.500	.020	-.50	410.0	-1.0	-.100	320.0	190.0	49.0	46.0
		6	480.0	-.100	.500	-.020	-.50	390.0	90.0	-.100	410.0	240.0	65.0	56.0
WG12	81	7	2800.0	-.100	2.700	.020	-.50	2000.0	800.0	-.100	34.0	1600.0	5.1	5.1
	82	11	2700.0	-.100	.600	-.020	.50	2600.0	20.0	-.100	23.0	2000.0	5.5	-.5
WG17	81	7	640.0	-.100	3.800	-.020	2.30	-1.0	640.0	-.100	620.0	700.0	-.5	250.0
WG18	81	7	520.0	-.100	1.100	-.020	-.50	450.0	68.0	-.100	410.0	200.0	67.0	52.0
WG20	81	7	1600.0	-.100	1.500	-.020	-.50	1200.0	380.0	-.100	160.0	830.0	3.2	5.8
	82	9	1100.0	-.100	-.030	-.020	-.50	1000.0	100.0	-.100	10.0	770.0	1.8	1.0
WG21	81	7	740.0	-.100	1.400	.030	-.50	440.0	300.0	-.100	34.0	370.0	4.3	6.5
WG41	81	7	660.0	-.100	1.400	-.020	-.50	440.0	220.0	-.100	24.0	310.0	3.4	3.9
WG51	81	7	930.0	.200	2.800	.100	-.50	-1.0	900.0	-.100	-10.0	480.0	-.5	1.2
WG52	81	7	810.0	-.100	1.800	-.020	-.50	740.0	68.0	-.100	190.0	390.0	30.0	26.0
WG61	81	7	690.0	-.100	1.100	-.020	-.50	590.0	100.0	-.100	25.0	310.0	3.1	4.8
WG91	81	7	1300.0	-.100	3.200	-.020	-.50	1200.0	92.0	-.100	26.0	680.0	3.0	5.8
WH21	81	7	410.0	-.100	1.600	-.020	-.50	230.0	180.0	-.100	36.0	200.0	5.0	6.1

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER PARACHUTE CREEK
LPC3 - WG   LPC4 - WH

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHEN (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WG10	80	1	.050	7.20	8.0	.0130	1.1	.10	970.0	11.0	460.0	30.0	1.0	-.020	-.020
		6	.020	2.70	10.0	-.0010	3.3	.10	1000.0	4.8	260.0	34.0	4.0	.020	-.020
WG12	81	7	.100	-.50	-10.0	.0050	20.0	5.70	3200.0	1.4	7.0	140.0	80.0	-.020	-.020
	82	11	.070	-.50	-10.0	-.0010	8.7	9.10	3200.0	-.5	5.8	160.0	-50.0	-.020	.020
WG17	81	7	.300	-.50	9.0	.0400	220.0	.40	1600.0	12.0	15.0	1300.0	147.0	-.020	.040
WG18	81	7	.040	-.50	9.0	.0160	3.4	.20	950.0	9.7	260.0	52.0	93.0	-.020	.030
WG20	81	7	.020	-.50	43.0	.0020	10.0	1.60	1900.0	-.5	13.0	100.0	149.0	-.020	.020
	82	9	.040	-.50	-10.0	-.0400	7.6	1.30	1700.0	.5	-5.0	69.0	-50.0	-.020	-.020
WG21	81	7	.100	-.50	-10.0	.0290	11.0	.60	860.0	1.2	24.0	41.0	-50.0	-.020	-.020
WG41	81	7	.060	-.50	-10.0	.0190	8.8	.80	750.0	1.4	-5.0	11.0	64.0	-.020	-.020
WG51	81	7	.300	-.50	-10.0	.0220	160.0	1.20	1500.0	-.5	73.0	210.0	-50.0	-.020	.020
WG52	81	7	.010	-.50	-10.0	.0160	6.1	2.60	1200.0	2.5	150.0	59.0	-50.0	-.020	-.020
WG61	81	7	-.010	-.50	-10.0	.0030	5.0	.80	770.0	2.0	34.0	5.0	-50.0	-.020	-.020
WG91	81	7	.030	-.50	-10.0	-.0010	8.4	3.70	1600.0	1.4	7.0	69.0	-50.0	-.020	-.020
WH21	81	7	.030	-.50	-10.0	.0490	10.0	.30	500.0	.9	23.0	30.0	-50.0	-.020	-.020

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER PARACHUTE CREEK
LPC3 - WG LPC4 - WH

WELL	YR	MO	SIO2 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WG10	80	1				.90			-.010	.020	-.020	.05	.050	1.20	.60
		6				.60	-.00020	-.010	-.010	.010	.020	.05	.080	.70	2.80
WG12	81	7	9.0			3.40	-.00020	-.010	-.010	-.020	-.020	.60	.070	.10	32.00
	82	11	17.0		-.01		-.00020	-.010		.020	.100	.60	-.020	.20	38.00
WG17	81	7	-1.0			3.60	-.00020	-.010	-.010	-.020	-.020	1.20	-.020	.08	1.80
WG18	81	7	12.0			1.40	-.00020	-.010	-.010	.020	-.020	.09	.200	.20	4.80
WG20	81	7	12.0			4.30	-.00020	-.010	-.010	.030	-.020	.20	.030	.10	28.00
	82	9	-1.0		1.40	1.80	-.00020	-.010		.030	.070	.10	.020	.40	21.00
WG21	81	7	8.8			1.60	-.00020	-.010	-.010	-.020	-.020	.05	-.020	.20	16.00
WG41	81	7				1.40	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	20.00
WG51	81	7	2.2			2.80	-.00020	-.010	-.010	-.020	-.020	.10	-.020	.10	21.00
WG52	81	7	16.0			2.20	-.00020	-.010	-.010	-.020	-.020	.50	.060	-.02	17.00
WG61	81	7	15.0			1.10	-.00020	-.010	-.010	-.020	-.020	.06	.070	.06	.20
WG91	81	7	15.0			3.40	-.00020	-.010	-.010	-.020	-.020	.60	.060	.04	24.00
WH21	81	7	8.5			1.60	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	.30	14.00

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER PARACHUTE CREEK

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S2O3 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WG10	80	1						.030						
		6				12.0		-.020						
WG12	81	7				14.0		.030						
	82	11				-1.0								
WG17	81	7				16.0		.050						
WG18	81	7				38.0		.050						
WG20	81	7				5.0		.030						
	82	9				6.0								
WG21	81	7				4.0		-.020						
WG41	81	7				14.0		-.020						
WG51	81	7				51.0		.050						
WG52	81	7				14.0		-.020						
WG61	81	7				14.0		-.020						
WG91	81	7				38.0		.030						
WH21	81	7				14.0		-.020						

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER PARACHUTE CREEK

WELL	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	W (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
WG10	80	1											-.020		
		6											-.020		
WG12	81	7													
	82	11													
WG17	81	7													
WG18	81	7													
WG20	81	7													
	82	9													
WG21	81	7													
WG41	81	7													
WG51	81	7													
WG52	81	7													
WG61	81	7													
WG91	81	7													
WH21	81	7													

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER PARACHUTE CREEK

WELL	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WG10	80	1										
		6							3.0			
WG12	81	7					-.10		3.0	16.0		
	82	11										
WG17	81	7					.20					
WG18	81	7					-.10					
WG20	81	7					-.10					
	82	9										
WG21	81	7					-.10		3.0	4.0		
WG41	81	7					-.10					
WG51	81	7					.20					
WG52	81	7					-.10		1.0			
WG61	81	7					-.10		-3.0	12.0		
WG91	81	7					-.10		11.0	5.0		
WH21	81	7					-.10		-2.0	10.0		

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER FIELD MEASUREMENTS
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)
WW12	79	4					
		9					
		10					
	80	1					
		2					
		3	9.2	940.0	10.0	8.0	
		4	9.1	700.0	13.5	4.0	
		5					
		6	9.3	760.0	21.5	4.9	
			9.3	760.0	21.5	4.9	
		7	9.0	760.0	19.0	6.2	
			9.0	760.0	19.0	6.2	
		8	9.1	760.0	17.0	9.5	
		9	8.9	870.0	15.0	6.1	
		10	8.6	860.0	12.0	5.5	
			8.6	860.0	12.0	5.5	
		11	9.3	810.0	10.5	5.7	
			9.3	810.0	10.5	5.7	
WW13	79	11					
		12	7.8	800.0	12.5	4.5	
	80	1					
		2					
		3					
			7.6	1380.0	11.0	6.7	
		4	7.3	1200.0	15.0	4.7	
		5	8.3	1590.0	12.0	4.8	
		6	7.4	1400.0	24.2	4.5	
		7	7.5	1290.0	20.0	7.2	
		8	7.3	1260.0	17.0	5.5	
			7.3	1280.0	17.0	8.8	
		9	7.1	1440.0	18.0	4.4	
		10	7.8	1410.0	15.0	4.8	
		11	7.0	1480.0	16.0	5.4	
			7.0	1480.0	16.0	5.4	
	81	6	7.9	1390.0		5.1	
		8	8.3	1300.0	18.0	3.5	
			8.2	1430.0		2.8	
		9	8.0	1370.0		2.9	
		10	8.7	1240.0		3.0	
		12	8.2	1460.0	15.0		

CB-TRACT
QUARTER FIELD MEASUREMENTS
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)
WW13	81	12	8.6	1310.0	12.0	3.1	.3
	82	3	7.4	1190.0			
		6	7.5	1420.0			.2
		8	7.6	2280.0	13.0		
						5.1	
WW22	81	6	9.3	1450.0		3.5	
		8	9.3	1320.0	18.0	4.0	
			9.6	1380.0		3.4	
		9	9.3	1420.0		2.4	
		10	9.2	1500.0		3.5	1.1
		12	8.9	1670.0	13.0	4.8	
			6.9	1860.0	10.0		
	82	3	5.6	1900.0			
		6	7.5	1050.0			.9
		8	8.4	2960.0	11.0		.2
		9	7.4	1390.0	11.0		.2
		10	7.3	2330.0	11.0		.3
		11	7.4	2400.0	11.0		.3
		12	7.5	2200.0	11.0		
						4.7	
WW32	81	10	7.6	1170.0			
		12				5.1	
			7.2	1180.0	10.0		
	82	3	7.0	1068.0			
		6	7.2	1010.0			.8
		9	8.2	2360.0	9.5		

CB-TRACT
QUARTER WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WW12	79	4	590.0	-.100	.600	-.020	-.50	540.0	50.0	-.100	550.0	220.0	96.0	68.0
		9	290.0	-.100	4.100	-.020	-.50	200.0	90.0	-.100	210.0	180.0	42.0	11.0
			290.0	-.100	4.100	-.020	-.50	200.0	90.0	-.100	210.0	180.0	42.0	11.0
		10	600.0	-.100	.200	-.020	-.50	600.0	-1.0	-.100	860.0	170.0	120.0	100.0
			600.0	-.100	.200	-.020	-.50	600.0	-1.0	-.100	860.0	170.0	120.0	100.0
	80	1	90.0	-.100	11.000	-.020	-.50	68.0	22.0	-.100	88.0	120.0	13.0	14.0
		2	90.0	-.100	6.100	-.020	.50	-1.0	60.0	.400	95.0	120.0	14.0	15.0
		3	90.0		14.000			-1.0	70.0	-.100				
		4	110.0	-.100	13.000	-.020	-.50	18.0	92.0		160.0	130.0	21.0	29.0
		5	98.0	-.100	13.000	-.020	-.50	-1.0	64.0	-.100	86.0	120.0	13.0	13.0
		6	100.0	.200	13.000	-.020	-.50	-1.0	60.0	-.100	83.0	130.0	11.0	15.0
			100.0	.200	13.000	-.020	-.50	-1.0	60.0	-.100	83.0	130.0	11.0	15.0
		7	110.0	-.100	9.400	-.020	-.50	-1.0	98.0	-.100	75.0	120.0	14.0	16.0
			110.0	-.100	9.400	-.020	-.50	-1.0	98.0	-.100	75.0	120.0	14.0	16.0
		8	110.0	-.100	8.900	-.020	-.50	96.0	16.0	-.100	88.0	120.0	14.0	12.0
		9	110.0	-.100	9.500	-.020	-.50	-1.0	100.0	-.100	93.0	130.0	14.0	14.0
		10	110.0	-.100	13.000	-.020	-.50	-1.0	100.0	-.100	150.0	120.0	18.0	11.0
		11												
			110.0		10.000			-1.0	94.0			130.0	16.0	11.0
WW13	79	11												
		12	370.0	-.100	-.040	.030	-.50	370.0	-1.0	-.100	400.0	170.0	64.0	55.0
	80	1	380.0	.100	.200	-.020	-.50	380.0	-1.0	-.100	390.0	180.0	66.0	48.0
		2	380.0	-.100	.300	.020	.50	380.0	-1.0	-.100	430.0	180.0	67.0	60.0
		3	400.0		2.900			320.0	80.0			180.0	70.0	52.0
			430.0		1.300			350.0	80.0			180.0	73.0	72.0
		4	430.0	-.100	.500	.020	-.50	430.0	-1.0			190.0	72.0	85.0
		5	390.0	-.100	.300	.020	-.50	370.0	20.0	-.100	440.0	180.0	70.0	59.0
		6	420.0	-.100	.200	-.020	-.50	420.0	-1.0	-.100	280.0	180.0	64.0	5.7
		7	400.0	-.100	.300	-.020	-.50	400.0	-1.0	-.100	450.0	180.0	69.0	67.0
		8	420.0					420.0	-1.0		450.0	180.0	70.0	65.0
			420.0		.030			420.0	-1.0		450.0	180.0	70.0	65.0
		9	430.0		.060			430.0	-1.0		460.0	190.0	67.0	75.0
		10	420.0	-.100	.500	-.020	-.50	420.0	-1.0	-.100	650.0	190.0	78.0	66.0
		11												
			400.0		.050			380.0	20.0			190.0	70.0	64.0
	81	6	420.0		1.100	-.020		340.0	80.0			210.0	82.0	43.0
		8	370.0		1.200	-.020		280.0	86.0			210.0	73.0	23.0

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WW13	81	8	390.0		1.000	-.020		250.0	140.0			210.0	77.0	24.0
		9	430.0		.600	-.020		330.0	100.0			210.0	96.0	43.0
		10	350.0		.600	-.020		230.0	120.0			200.0	65.0	9.0
		12	350.0		6.800	-.020						210.0	69.0	11.0
			348.0		4.200	-.020		320.0	28.0			230.0	63.0	9.8
	82	3	350.0	-.100	-.200	-.020	-.50	310.0	40.0		300.0	230.0	68.0	6.7
		6	520.0	-.100	.300	-.020	-.50	480.0	30.0		540.0	230.0	94.0	61.0
		8												
WW22	81	6	84.0		27.000	-.020		-1.0	54.0			170.0	23.0	98.0
		8	82.0		29.000	-.020		-1.0	52.0			170.0	24.0	110.0
			87.0		15.000	-.020		-1.0	44.0			180.0	20.0	92.0
		9	76.0		24.000	-.020		-1.0	66.0			170.0	26.0	8.7
		10	68.0		21.000	-.020		-1.0	68.0			180.0	39.0	92.0
		12	200.0		26.000	-.020		40.0	160.0			190.0	54.0	94.0
			64.0		19.000	-.020		52.0	12.0			220.0	73.0	120.0
	82	3	61.0	-.100	-.200	-.020	-.50	61.0	-1.0		700.0	240.0	91.0	130.0
		6	46.0	-.100	14.000	-.020	-.50	44.0	2.0		700.0	250.0	80.0	150.0
		8												
		9												
		10												
		11												
		12												
WW32	81	10	320.0		.070	-.020		320.0	-1.0			120.0	59.0	85.0
		12	300.0		.330	-.020		300.0				120.0	58.0	60.0
			304.0		-.040	-.020		304.0				140.0	55.0	86.0
	82	3	300.0	.500	-.200	-.020	-.50	280.0	20.0	.500	440.0	130.0	54.0	86.0
		6	380.0	-.100	.700	-.020	-.50	370.0	2.0	.300	390.0	130.0	50.0	75.0
		9												

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WW12	79	4	-.020	24.00	40.0	.0030	2.0	.20		3.0	390.0	13.0	50.0	-.020	-.020
		9	-.020	55.00	7.6	.0200	7.5		900.0	.9	350.0	24.0	30.0	-.020	-.020
			-.020	55.00	7.6	.0200	7.5	-.10	900.0	.9	350.0	24.0	30.0	-.020	-.020
		10	-.020	7.20	4.0	.0020	6.4	.10	1500.0	11.0	600.0	1000.0	20.0	-.020	-.020
			-.020	7.20	4.0	.0020	6.4	.10	1500.0	11.0	600.0	1000.0	20.0	-.020	-.020
	80	1	.020	50.00	12.0	.0160	2.3	-.10	500.0	1.6	320.0	22.0	31.0	-.020	-.020
		2	.020	27.00	-1.0	.0090	3.5	-.10	520.0	1.0	380.0	24.0	33.0	.010	.020
		3		-.10	5.0	-.0010			530.0		290.0	52.0	19.0		
		4	.010	-.10	11.0	.1200	4.2	-.10	550.0	1.1	280.0	56.0	39.0	-.020	.020
		5	.020	-.10	16.0	.0150	4.4	-.10	520.0	.6	270.0	60.0	32.0	-.020	-.020
		6	.010	-.50	4.0	.0200	6.8	.10	560.0	.8	270.0	16.0	40.0	-.020	.040
			.010	-.50	4.0	.0200	6.8	.10	560.0	.8	270.0	16.0	40.0	-.020	.040
		7	.010	-.50	5.0	.0200	2.8	-.10	530.0	1.4	200.0	14.0	40.0	-.020	-.020
			.010	-.50	5.0	.0200	2.8	-.10	530.0	1.4	200.0	14.0	40.0	-.020	-.020
		8	.010	-.50	6.0	.0200	3.6	.10	490.0	1.9	270.0	13.0	32.0	-.020	-.020
		9	-.010	-.50	9.0	.0100	4.9	.20	530.0	1.8	210.0	15.0	35.0	-.020	-.020
		10	.020	-.50	8.0	.0080	4.3	.10	440.0	.5	260.0	15.0	31.0	-.020	-.020
		11													
			.010	-.50	15.0	.0160	3.5		460.0		220.0	15.0	24.0		
WW13	79	11													
		12	.100	26.00	3.0	-.0010	1.9	.10	1000.0	6.4	590.0	7.0	7.0	-.020	-.020
	80	1	.070	28.00	3.0	.0200	2.1	.20	1000.0	6.6	500.0	16.0	2.0	-.020	-.020
		2	.060	89.00	-1.0	.0100	3.2	.10	1000.0	3.8	480.0	20.0	11.0	.020	-.010
		3	.040	34.00	3.0	-.0010	2.4		1000.0		380.0	22.0	54.0		
			.060	36.00	2.0	-.0010	1.9		1000.0		420.0	37.0	2.0		
		4	.030	3.90	1.0	.0100	3.2	.10	1000.0	4.9	420.0	47.0	3.0	-.020	-.020
		5	.040	-.10	14.0	.0300	3.6	-.10	1000.0	2.8	400.0	81.0	-1.0	-.020	-.020
		6	.040	-.50	10.0	.0300	4.2	-.10	1000.0	3.9	350.0	9.5	24.0	-.020	-.020
		7	.030	-.50	1.0	.0040	1.7	-.10	1000.0	5.7	320.0	9.0	16.0	-.020	-.020
		8	.040	-.50	4.0	.0070	2.2		1000.0		410.0	6.8	14.0		
			.040	-.50	4.0	.0070	2.2		1000.0		410.0	6.8	14.0		
		9	.060	-.50	1.0	.0030	3.9		1000.0		400.0	9.9	8.0		
		10	.100	1.90	-1.0	-.0010	3.2	.20	980.0	2.4	500.0	10.0	-1.0	-.020	.020
		11													
			.200	-.50	10.0	.0050	2.5		940.0		360.0	11.0	4.0		
	81	6		-.50			9.2	.10	970.0			11.0			
		8		-.50			3.0	.20	900.0			13.0			

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WW13	81	6		-.50			2.9	.10	920.0			12.0			
		9		-.50			3.5	-.10	1000.0			9.3			
		10		-.50			3.6	-.10	800.0			12.0			
		12		.70			4.7	-.10	670.0			9.1			
				-.50			5.0	-.10	800.0			13.0			
	82	3	-.010	.50	-10.0	.0630	4.4	-.10	840.0	-.5	460.0	11.0	-100.0	-.020	-.020
		6	-.010	-.50	-10.0	.0020	4.0	-.10	1200.0	-.5	430.0	7.9	-50.0	-.020	-.020
		8													
WW22	81	6		-.50			30.0	.10	1000.0			52.0			
		8		-.50			17.0	.10	1000.0			51.0			
				-.50			19.0	.10	940.0			55.0			
		9		-.50			16.0	.10	990.0			46.0			
		10		-.50			24.0	.20	1100.0			43.0			
		12		-.50			23.0	.30	960.0			42.0			
				-.50			25.0	-.10	1400.0			40.0			
	82	3	-.010	-.50	-10.0	.2000	36.0	.10	1700.0	4.3	1800.0	28.0	150.0	-.020	.040
		6	-.010	-.50	-1.0	.0700	41.0	-.10	1800.0	-.5	1200.0	36.0	710.0	-.020	.100
		8													
		9													
		10													
		11													
		12													
WW32	81	10		20.00			1.9	-.10	760.0			47.0			
		12		22.00			1.6	-.10	540.0			46.0			
				28.00			1.8	-.10	800.0			55.0			
	82	3	-.010	29.00	-10.0	.0530	2.1	.10	800.0	2.4	260.0	51.0	-10.0	-.020	.020
		6	-.010	21.00	-10.0	-.0010	1.8	-.10	810.0	-.5	250.0	47.0	-50.0	-.020	-.020
		9													

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	SIO2 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WW12	79	4				4.00	-.02000	-.020	-.010	.200	-.020	-.02	.200	-.50	1.30
		9								-.020	-.020	.03	-.020	-.02	.80
							.00021		-.020	-.020	-.020	.03	-.020	-.02	.80
		10								.500	-.040	.10	.100	8.40	3.00
							-.00020		-.020	.500	.040	.10	.100	8.40	3.00
	80	1				12.00	-.00100	-.002	-.010	-.020	-.020	-.05	-.020	-.02	.90
		2				14.00			-.010	.010	-.020	-.05	.010	-.02	1.00
		3				14.00									.80
		4				16.00				-.010	-.020	-.05	-.020	.02	.70
		5				15.00				-.010	.020	-.05	.020	.02	.60
		6				14.00				.020	-.020	-.05	-.020	.20	1.30
						14.00				.020	-.020	-.05	-.020	.20	1.30
		7				12.00				-.020	-.020	-.05	-.020	-.02	.40
						12.00				-.020	-.020	-.05	-.020	-.02	.40
		8				13.00				-.020	-.020	-.05	.030	-.02	1.30
		9				12.00				-.020	-.020	-.05	.020	-.02	1.10
		10				13.00				-.020	-.020	-.05	-.020	.03	.90
		11													
			-1.0			11.00									
WW13	79	11					-.02000	-.020	-.010						
		12				.40			-.020	.050	.050	-.05	.040	-.02	.10
	80	1				1.60	-.00100	-.002	-.010	.060	-.020	-.05	.040	.02	.10
		2				45.00			-.010	.060	-.020	-.05	.070	.06	.20
		3	21.0			2.90									
			24.0			1.40									
		4				.70				.040	.020	-.05	.100	-.02	.20
		5				.40				.020	.020	-.05	.080	.02	-.10
		6				.30				.020	-.020	.05	.060	.06	.50
		7	25.0			.60				.020	-.020	.05	.100	-.02	.10
		8	24.0			.10									
			24.0			.10									
		9	17.0			.30									
		10				.60				-.020	-.020	.06	.200	.60	.20
		11													
			13.0			.70									
	81	6	5.0			3.00							.200	.02	-.10
		8	2.5			2.90							.300	-.02	-.10
			3.5			1.10							.300	.02	-.10

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	SIO2 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WW13	81	9	8.2			.60							.200	.02	-.10
		10	-1.0			.80							.260	.03	-.10
		12	-1.0			6.80							.300	.04	-.10
			-1.0			4.80							.300	-.02	-.10
	82	3				4.30	-.00020	-.010	-.010	-.020	.030	.05	.200	.90	.10
		6				.40	-.00020	-.010	-.010	-.020	.020	.05	4.600	.13	.20
		8													
WW22	81	6	-1.0			42.00							.020	4.20	1.50
		8	1.0			36.00							.030	3.60	1.50
			-1.0			26.00							-.020	3.50	1.40
		9	-1.0			27.00							.030	3.80	1.40
		10	-1.0			35.00							.070	4.80	1.60
		12	-1.0			26.00							.200	4.90	1.10
			-1.0			30.00							.200	5.00	.90
	82	3				36.00	-.00020	-.010	-.010	.020	.030	.20	.200	4.10	1.00
		6				27.00	-.00020	-.010	-.010	-.020	.020	.20	.200	3.00	.70
		8													
		9													
		10													
		11													
		12													
WW32	81	10	20.0			.10							-.020	.02	.20
		12	19.0			.33							-.020	.03	.10
			19.0			.50							.020	.03	.10
	82	3				.80	-.00020	-.010	-.010	.300	.030	-.05	.060	.90	.20
		6	20.0	-.005			-.00020	.010		.030	-.020	-.05	-.020	-.02	.10
		9													

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S2O3 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WW12	79	4	-1.00	-1.0	-.020		-.05	-.020	-1.0			40.0		
		9			-.020			.020				340.0		
					-.020			.020				340.0		
		10			-.020			-.020				35.0		
					-.020			-.020				35.0		
	80	1				11.0		-.020						
		2				10.0		.070						
		3				10.0								
		4				10.0		-.020						
		5				10.0		-.020						
		6				16.0		-.020						
						16.0		-.020						
		7				10.0		-.020						
						10.0		-.020						
		8				11.0		-.020						
		9				9.0		.020				18.0		
		10				11.0		-.020						
		11												
						10.0		.020						
WW13	79	11				48.0								
		12						.020						
	80	1				23.0		.020						
		2				10.0		.060						
		3				4.0		.020						
						-1.0		.020						
		4				2.0		-.020						
		5				10.0		-.020						
		6				74.0		-.020						
		7				12.0		-.020						
		8				-1.0		-.020						
						-1.0		-.020						
		9				2.0		.020				1366.0		
		10				2.0		-.020						
		11												
						6.0		.030						
	81	6				4.0								
		8				1.0								
						12.0								

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S2O3 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WW13	81	9				3.0								
		10				2.0								
		12				5.5								
						90.0								
	82	3			-.010			.060						
		6			-.010	-1.0		.020						
		8												
WW22	81	6				50.0								
		8				40.0								
						25.0								
		9				44.0								
		10				41.0								
		12				39.0								
						37.0								
	82	3			-.100			.200						
		6			-.010	46.0		.100						
		8												
		9												
		10												
		11												
		12												
WW32	81	10				3.0								
		12				5.0								
						30.0								
	82	3				11.0		.060			.010			
		6				-1.0								
		9												

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	NB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	W (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
WW13	81	10													
		12													
	82	3													
		6													
		8													
WW22	81	6													
		8													
		9													
		10													
		12													
	82	3													
		6													
		8													
		9													
		10													
		11													
		12													
WW32	81	10													
		12													
	82	3													
		6													
		9													

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	W (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
WW12	79	4													
		9													
		10													
	80	1											-.020		
		2											-.020		
		3													
		4											.020		
		5											-.020		
		6											-.020		
													-.020		
		7											-.020		
													-.020		
		8											-.020		
		9											.030		
		10											-.020		
		11													
													.020		
WW13	79	11											-.010		
		12											.020		
	80	1											-.020		
		2											-.020		
		3											-.020		
													.020		
		4											.020		
		5											-.020		
		6											-.020		
		7											-.020		
		8											-.020		
													-.020		
		9											.030		
		10											-.020		
		11													
													-.020		
	81	6													
		8													
		9													

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WW12	79	4							9.9	16.0		
		9										
		10										
	80	1										
		2										
		3										
		4										
		5										
		6										
			40.0									
		7										
			12.0									
		8										
		9	10.0									
		10	10.0									
		11										
WW13	79	11							29.0	30.0		
		12										
	80	1										
		2										
		3										
		4										
		5										
		6										
		7										
		8										
		9										
		10										
		11										
	81	6										
		8					-.10					
							-.10					

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WW13	81	9										
		10										
		12										
	82	3										
		6										
		8										
WW22	81	6										
		8					-1.00					
							-1.00					
		9										
		10										
		12										
	82	3										
		6										
		8										
		9										
		10										
		11										
		12										
WW32	81	10										
		12										
	82	3							7.0	7.0	.6	.8
		6							2.0	6.0		
		9										

NOTE: - INDICATES LESS THAN

[illegible]
QUARTERLY AND SEMIANNUAL FIELD MEASUREMENTS
NPDES DISCHARGE

[illegible]	[illegible]	[illegible]	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
[illegible]	[illegible]	7	7.2		
		8	8.2		
			9.0		
[illegible]	[illegible]	7			
		10			

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
NPDES DISCHARGE

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
W403	81	7	1100.0		.400			790.0	330.0			520.0	5.2	6.7
		8	1100.0		.300			680.0	440.0			580.0	5.3	6.7
			910.0		.600			820.0	92.0			560.0	5.1	7.8
W440	82	7	1400.0	-.500	-.040	-.020	.33	950.0	450.0	-.100	230.0	540.0	4.3	5.2
		10	1500.0	-.100	-.300	-.020	-.50	1300.0	200.0	-.100	35.0	590.0	4.8	6.1

NOTE: - INDICATES LESS THAN

C-b TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
NPDES DISCHARGE

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
W103	81	7		3.50			7.2	.90	1300.0		34.0	67.0			
		8		3.50			3.7	.80	1300.0		46.0	7.6			
				3.00			4.8	.70	1300.0		270.0	8.9			
W140	82	7	-.020	1.00	-10.0	.0020	1.3	.50	1300.0	1.0	-5.0	8.0	-50.0	-.020	-.020
		10	-.010	.50	-10.0	-.0400	2.4	.70	1400.0	1.2	-5.0	9.0	-50.0	-.020	-.020

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
NPDES DISCHARGE

WELL	YR	MO	SIO2 (MG/L)	CYAN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WN03	81	7													19.00
		8													19.00
															19.00
WN40	82	7	14.0	.007			-.00020	-.020			-.010	.04	-.020	.03	22.00
		10	-1.0				-.00020	.010	-.010	.020	.050	-.05	-.020	-.02	19.00

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
NPDES DISCHARGE

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S2O3 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
NN03	81	7												
		8												
NNU	82	7				-1.0								
		10				4.0						-10.0		

NOTE: - INDICATES LESS THAN

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                                        CB-TRACT
                         QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
                                     NPDES DISCHARGE

                  I      SB      ZR      Y       RB      GE      GA      TI      SC      ■       CU      V       BE
WELL YR MO (MG/L) (MG/L) (MG/L) (MG/L) (MG/L) (MG/L) (MG/L) (MG/L) (MG/L) (MG/L) (MG/L) (MG/L) (MG/L)
---- -- -- ------ ------ ------ ------ ------ ------ ------ ------ ------ ------ ------ ------ ------
WN05 81  7
         8

WN40 82  7                                                                                     .020
        10                                                                             -.020

NOTE: - INDICATES LESS THAN
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CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
NPDES DISCHARGE

WELL	YR	MO	OH (MG/L)	CN (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
*903	81	7										
		5										
W945	82	7										
		10										

NOTE: - INDICATES LESS THAN

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                    CB-TRACT
 QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
               INJECTION WELLS


                          SPECIFIC
                  PH      CONDUCTANCE TEMPERATURE
WELL  YR MO PH UNIT (UMHOS/CM)  (DEG C)
----  -- -- ------- ----------- -----------
WI17  81  7  8.7      1170.0     12.0

WI18  80  8

      82  3  8.4      1860.0
          5  7.4      1761.0
          6  8.5      1810.0

WI19  81  7  8.4      1420.0
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CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
INJECTION WELLS

WELL	YR	MO	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
WI17	81	7			
WI18	80	8			
	82	3			
		5			
		6			
WI19	81	7			

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
INJECTION WELLS

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
W117	81	7	.020	-.50	-10.0	.0110	5.4	.60	730.0	1.2	5.0	6.3	-50.0	-.020	-.020
W118	80	8	.030	-.50	6.0	-.0010	4.1	.30	550.0	1.2	7.0	34.0	24.0	-.020	-.020
			-.010	-.50	3.0	.0500	1.9	.40	540.0	1.9	9.0	2.5	1.0	-.020	-.020
	82	3				-.0050			1400.0		310.0	8.5			
		5	-.010	2.20	-10.0	.0040	2.2	.80	1400.0	-.5	60.0	4.7	-50.0	-.020	-.020
		6	-.010	1.10	-10.0	-.0010	2.5	1.20	1400.0	-.5	75.0	7.8	-50.0	-.020	.200
W119	81	7	.020	-.50	2.0	.0020	1.6	.60	780.0	.7	-5.0	6.9	24.0	-.020	.030

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
INJECTION WELLS

WELL	YR	MO	SIO2 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WI17	81	7	16.0			1.10	-.00020	-.010	-.010	-.020	-.020	.07	-.020	.07	20.00
WI18	80	8				.80	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	17.00
						.60	-.00020	-.010	-.010	-.020	.020	-.05	.030	-.02	15.00
	82	3												.02	19.00
		5	12.0				-.00020	-.010		.020	.030	.05	-.020	.03	25.00
		6	14.0	-.005			-.00020	-.010		-.020	.050	.05	-.020	.03	22.00
WI19	81	7	13.0			1.40	-.00020	-.010	-.010	.030	-.020	-.05	-.020	-.02	14.00

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
INJECTION WELLS

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L)	CO3 (MG/L)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG(MG/L)	CA (MG/L)
WI17	81	7	630.0	-.100	1.100	-.020	-.50	410.0	220.0	-.100	22.0	290.0	2.6	4.5
WI18	80	8	430.0	.100	.080	-.020	-.50	280.0	150.0	-.100	130.0	210.0	2.8	4.6
			470.0	-.100	.400	-.020	-.50	320.0	150.0	-.100	23.0	210.0	2.8	4.3
	82	3	1100.0		.400			1000.0	11.0			630.0	4.2	
		5	1100.0	-.100	-.040	-.020	.60	1100.0	15.0	-.100	33.0	560.0	4.4	6.1
		6	1100.0	-.100	.100	-.020	.50	1000.0	50.0	-.100	30.0	630.0	4.3	5.1
WI19	81	7	640.0	-.100	1.000	-.020	-.50	500.0	140.0	-.100	27.0	320.0	3.1	5.8

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
INJECTION WELLS

WELL	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	W (MG/L)	CU (MG/L)	V (MG/L)	BE (MG/L)
W117	81	7													
W118	80	8											-.020		
	82	3											-.020		
		5													
		6													
W119	81	7													

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
INJECTION WELLS

WELL	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO3)	MO-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
W117	81	7					-.10					
									3.0	2.0		
W118	80	8							-1.0	7.0		
	82	3							1.0	3.0		
		5							-4.0	8.0		
		6										
W119	81	7					-.10					

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
INJECTION WELLS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S2O3 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WI17	81	7				29.0		-.020						
WI18	80	8				3.0		-.020						
						3.0		-.020						
	82	3												
		5				1.0								
		6				1.0								
WI19	81	7				4.0		.040						

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
SHAFT

SHAFT	YR	MO	DY	GROUT	PROBE HOLE	DEPTH FT.	ELEV. FT.	FLOW GPM	TEMP DEGC	PH	SPEC. COND. U MHOS	DISSOLVED OXYGEN PPM
WZ01	79	10	2	6	11	18	5777					
			3	6	2	50	5745	30				
			8	6	3	40	5755	60				
			9	6	6	40	5755	60				
			10	6	3	80	5715	30				
			17	6	3	125	5670					
			19	6	6	140	5655	300				
			29	7	6	40	5636	55				
	80	1	12	7	1	40	5636					
				7	2	60	5616					
			25	7	8	108	5568	20				
		2	13	7	C	110	5566	175				
			29		0							
		4	2	8	C	48	5552	300	18.0	8.13	1905.0	5.8
			14	8	D	60	5541	100	6.0	9.12	2320.0	6.8
			16	8	B	68	5533	500	16.0	8.70	2440.0	5.8
			18	8	B	80	5521	300				
			29	8	A	90	5511	500	17.0	8.31	2050.0	
		5	5	8	C	148	5453	600	15.0	8.50	2200.0	6.7
				8	C	80	5521	300	10.0	8.80	1800.0	6.0
			14	8	8	42	5559	175	6.0	8.70	2180.0	
		6	29	9	4	100	5455	78				
		7	8	9	10	108	5447	116				
			14	9	10	126	5429	232				
		9	18	10		1262	5443		14.0	8.70	3390.0	6.7
			22	12		1277	5428		15.0	8.60	2600.0	7.4
			24	10	2	108	5370					
				10		1315	5390		15.0	8.40	3440.0	6.1
			25	10	7	84	5394	20				
			26	10	4	168	5310					
				10	2	150	5328					
WZ02	80	3	24		1	25	5710		10.0	8.10	6310.0	3.0
		6	24		16	110	5489	10				
					2	65	5534	5				
					23	110	5489	1				
	82	6	19			734	734					
						1165	1185					
						1348	1348					

NOTE: - INDICATES LESS THEN

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
SHAFT

SHAFT	YR	MO	DY	GROUT	PROBE HOLE	DEPTH FT.	ELEV. FT.	FLOW GPM	TEMP DEGC	PH	SPEC. COND. U MHOS	DISSOLVED OXYGEN PPM
WZ02	82	6	19			1488	1488					
						1627	1627					
						1627	1627					
WZ03	80	1	12		5	20	5933					
					5	150	5803					
		4	21		3	30	5630	4				
					6	120	5540	100				
		9	26			1471	5358					
	81	9	1		8	90	5034			8.04	4490.0	3.4
					6	95	5034			7.90	4360.0	2.6

NOTE: - INDICATES LESS THEN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SHAFT

SHAFT	YR	MO	DY	CO (MG/L)	V (MG/L)	SI (MG/L)	TURB NTU	SUSPENDED SOLIDS (MG/L)	DOC (MG/L)	CR (MG/L)	CU (MG/L)
WZ01	79	10	2					17.0			
			3					41.0			
			8					70.0			
			9					120.0			
			10					770.0			
			17					680.0			
			19					170.0			
			29					61.0			
	80	1	12					8.0			
								-1.0			
			25					12.0			
		2	13					57.0	8.0		
			29					3.0	2.0		
		4	2					13.0	5.0		-.020
			14					8.0	12.0		
			16					100.0	2.0		
			18					30.0	7.0		
			29					1.0	4.0		
		5	5					-1.0	2.0		
								15.0	3.0		
			14					-1.0	2.0		
		6	29					2.0	4.0		
		7	8				4.0	61.0			
			14					190.0	4.0		
		9	18					584.0	2.0		
			22					12.0	2.0		
			24					37.0	-1.0		
								41.0	2.0		
			25					1500.0	5.0		
			26					-1.0	-1.0		
								-1.0	2.0		
WZ02	80	3	24					130.0	3.0		
		6	24					-1.0	280.0		
								-1.0	160.0		
								6.0	150.0		
	82	6	19								

NOTE: - INDICATES LESS THEN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SHAFT

SHAFT	YR	MO	DY	CO (MG/L)	V (MG/L)	SI (MG/L)	TURB NTU	SUSPENDED SOLIDS (MG/L)	DOC (MG/L)	CR (MG/L)	CU (MG/L)
WZ02	82	6	19								
WZ03	80	1	12					18.0			
								100.0			
		4	21					13.0	3.0		
								9.0	3.0		
		9	26					1000.0	-1.0		
	81	9	1					7.0	2.0		
								64.0	6.0		

NOTE: - INDICATES LESS THEN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SHAFT

SHAFT	YR	MO	DY	MO (MG/L)	NI (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHEN (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS MG/L)	SR (MG/L)	SO4 (MG/L)	CD (MG/L)	CL (MG/L)	COD (MG/L)
WZ01	79	10	2	-.020			7.0	-.0010			1300.0					
			3	-.020			10.0	.0010			1300.0					
			8	-.020			4.0	.0100			1200.0					
			9	-.020			2.0	-.0010		.60	1100.0					
			10	-.020			2.0	-.0010		.70	1300.0					
			17	-.020			2.0	.0100		.80	1300.0					
			19				11.0	.0030		.80	1300.0					
			29	.040		-.10	2.0	-.0010	1.2	.40	1200.0		480.0		11.0	
	80	1	12	.080		-.10	2.0	-.0010	1.2	.80	1300.0		24.0		22.0	
				.040		-.10	5.0	-.0010	1.1	.70	1300.0		8.0		7.2	
			25	.020		-.10	17.0	-.0010	2.7	.60	1400.0		77.0		12.0	
		2	13	.010		-.10	4.0	-.0010	9.0	.30	1300.0		110.0		20.0	
			29	-.020		-.10	8.0	-.0010	3.4	.40	1300.0		24.0		23.0	
		4	2	-.010		6.30	12.0	-.0010	1.6	.40	1300.0		-5.0		48.0	14.0
			14	.010		6.30	1.0	-.0010	15.0	.50	1300.0		110.0		48.0	
			16	-.010		48.00	14.0	.0010	7.9	.60	1400.0		49.0		47.0	
			18	.010		4.10	4.0	.0010	25.0	.50	1400.0		200.0		50.0	
			29	-.010		-.10	12.0	-.0010	11.0	.60	1400.0		64.0		65.0	
		5	5	.010		-.10	1.0	-.0010	15.0	1.00	1600.0		180.0		62.0	
				.010		-.10	1.0	-.0010	25.0	.60	1400.0		110.0		49.0	
			14	-.010		-.10	7.0		8.8	.50	1300.0		81.0		40.0	
		6	29	-.010		-.50	7.0	-.0010	19.0	1.00	1500.0		43.0		6.5	
		7	8	.010		-.50	4.0	-.0010	60.0	1.10	1700.0		220.0		7.0	
			14	.020		-.50	-1.0	.0030	17.0	1.20	1800.0		61.0		8.0	
		9	18	-.010		-.50	1.0	-.0010	16.0	1.00	2100.0		6.0		13.0	
			22	-.010		-.50	2.0	-.0010	12.0	1.20	1800.0		27.0		8.8	
			24	.010		-.50	28.0	.1000	28.0	1.40	1900.0		90.0		9.1	
				-.010		-.50	21.0	-.0010	20.0	1.30	2300.0		71.0		13.0	
			25	.020		-.50	23.0	-.0010	20.0	1.00	2000.0		110.0		11.0	
			26	-.010		-.50	2.0	-.0010	3.4	.80	1000.0		-5.0		5.9	
				-.010		-.50	6.0	-.0010	7.3	.70	1100.0		32.0		5.9	
WZ02	80	3	24	.070		74.00	2.0	.0080	4.5	-.10	4700.0		-5.0		30.0	
		6	24	-.010		-.50	11.0	-.0010	1.8	1.50	1700.0		-5.0		7.0	
				-.010		-.50	8.0	-.0010	1.2	.50	1000.0		-5.0		5.0	
				-.010		-.50	5.0	.0010	1.4	.50	1300.0		-5.0		6.4	
	82	6	19													

NOTE: - INDICATES LESS THEN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SHAFT

SHAFT	YR	MO	DY	MO (MG/L)	NI (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHEN (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS MG/L)	SR (MG/L)	SO4 (MG/L)	CD (MG/L)	CL (MG/L)	COD (MG/L)
W202	82	6	19													
W203	80	1	12	-.020		-.10	2.0	-.0010	.4	.40	580.0		18.0		17.0	
				-.020		-.10	5.0	-.0010	.4	.20	560.0		18.0		18.0	
		4	21	-.010		14.00	6.0	-.0010	2.1	.40	750.0		9.0		59.0	
				-.010		5.10	7.0	-.0010	1.0	.50	900.0		20.0		42.0	
		9	26			-.50	14.0	-.0010	3.1	.70	850.0		-5.0		3.4	
	81	9	1	-.010		-.50	-10.0	.0040	4.0	.70	2800.0		-5.0		18.0	
				-.010		-.50	-10.0	.0050	4.4	.70	2700.0		-5.0		17.0	

NOTE: - INDICATES LESS THEN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSIS
SHAFT

SHAFT	YR	MO	DY	FECAL COLIF. COLONY /100ML	TOTAL COLIF. COLONY /100ML	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)	SODIUM ABSORPTION RATIO (ME/L)
WZ01	79	10	2			1.1					-.020		-.020	.50	17.00	
			3			2.2							-.020	.40	.70	
			8			2.1							-.020	-.02	16.00	
			9			2.2					-.020		-.020	-.02	12.00	
			10			1.4					.040		.300	5.60	1.70	
			17			1.2					-.020		-.020	-.02	15.00	
			19								-.020		-.020	-.02	15.00	
			29								-.020		-.020	-.02	19.00	32.534
	80	1	12								-.020		-.020	-.02	20.00	36.997
											-.020		-.020	-.02	19.00	32.385
			25								-.020		.020	-.02	15.00	23.975
		2	13			1.8					-.020		-.020	-.02	16.00	37.301
			29								-.020		-.020	-.02	18.00	29.587
		4	2										-.020	.06	19.00	35.873
			14								-.020		-.020	.03	16.00	39.443
			16								-.020		-.020	-.02	19.00	35.264
			18								-.020		-.020	-.02	18.00	48.749
			29			1.4					-.020		-.020	-.02	19.00	18.341
		5	5								-.020		-.020	.02	18.00	19.531
											-.020		-.020	.02	17.00	18.064
			14								.020		-.020	.02	18.00	30.585
		6	29								-.020		-.020	.07	14.00	59.544
		7	8								-.020		-.020	.02	20.00	72.052
			14								-.020		-.020	-.02	26.00	54.787
		9	18								-.020		-.020	-.02	19.00	80.173
			22								-.020		-.020	-.02	28.00	57.077
			24								-.020		-.020	-.02	26.00	96.560
											-.020		-.020	.03	30.00	78.553
			25								-.020		-.020	-.02	36.00	80.479
			26								-.020		-.020	-.02	31.00	32.869
											-.020		-.020	-.02	30.00	32.242
WZ02	80	3	24								-.020		-.020	.10	25.00	175.421
		6	24								-.020		-.020	.07	25.00	54.861
											-.020		-.020	.10	23.00	38.768
											-.020		-.020	.08	25.00	46.914
	82	6	19												.20	
															10.40	

NOTE: - INDICATES LESS THEN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSIS
SHAFT

SHAFT	YR	MO	DY	FECAL COLIF. COLONY /100ML	TOTAL COLIF. COLONY /100ML	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)	SODIUM ABSORPTION RATIO (ME/L)
WZ02	82	6	19												18.50	
															17.30	
															18.30	
															19.80	
WZ03	80	1	12								-.020		-.020	-.02	12.00	19.651
											-.020		-.020	-.02	11.00	18.404
		4	21								-.020		-.020	-.02	20.00	19.418
											-.020		-.020	.02	21.00	9.557
		9	26								-.020		-.020	.02	33.00	32.685
	81	9	1								.100		-.020	.03	31.00	145.518
											.090		-.020	.02	31.00	135.817

NOTE: - INDICATES LESS THEN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSIS
SHAFT

SHAFT	YR	MO	DY	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BOD (MG/L)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WZ01	79	10	2				-.020									
			3			1.200	-.020									
			8			1.400	-.020									
			9				-.020									
			10				-.020									
			17				-.020									
			19				.020								12.0	
			29	1100.0	3.700	1.000	.020		1000.0	100.0				530.0	7.3	8.1
	80	1	12	1100.0	.100	.400	-.020		970.0	130.0				510.0	4.8	6.5
				1100.0	.300	.500	-.020		1000.0	76.0				520.0	7.5	7.2
			25	110.0	.200	1.000	-.020		950.0	130.0				530.0	14.0	14.0
		2	13	980.0	1.300	1.700	.030		620.0	360.0				470.0	4.7	4.3
			29	1200.0	.100	1.600	-.020		1000.0	150.0				500.0	7.5	9.3
		4	2	1100.0	.500	1.500	-.020		940.0	180.0	-1.0			520.0	5.3	7.2
			14	1100.0	3.300	1.700	-.020		600.0	500.0				530.0	5.4	4.8
			16	1200.0	-.200	1.200	-.020		850.0	350.0				540.0	7.4	5.6
			18	1000.0	.600	1.300	-.020		240.0	760.0				530.0	3.5	3.2
			29	1300.0	.500	1.100	-.020		990.0	280.0				570.0	11.0	55.0
		5	5	1400.0	1.900	1.100	-.020		1000.0	390.0				630.0	12.0	59.0
				1200.0	3.200	1.200	-.020		860.0	320.0				560.0	12.0	53.0
			14	1100.0	.400	.800	-.020		740.0	370.0				490.0	5.8	9.9
		6	29	1300.0	4.300	1.500	-.020		890.0	440.0				670.0	3.4	4.0
		7	8	1400.0	1.000	1.500	-.020		620.0	750.0				690.0	2.4	3.0
			14	1500.0	.200	1.600	-.020		1100.0	380.0				690.0	3.9	5.6
		9	18	2000.0	.700	1.700	-.020		1500.0	500.0				890.0	3.0	4.4
			22	1600.0	.800	1.600	-.020		1200.0	420.0				740.0	3.3	7.3
			24	1600.0	4.600	1.700	-.020		630.0	950.0				830.0	1.7	2.8
				2000.0	.500	1.700	-.020		1600.0	400.0				1000.0	2.9	7.5
			25	1700.0	.700	1.100	-.020		990.0	710.0				860.0	2.4	4.7
			26	950.0	-.100	2.300	-.020		850.0	98.0				420.0	3.2	7.1
				990.0	.900	1.200	-.020		710.0	280.0				440.0	3.1	9.0
WZ02	80	3	24	4400.0	-.100	1.300	-.020		3300.0	1100.0				1900.0	2.3	5.1
		6	24	1600.0	-.100	1.700	-.020		1500.0	72.0				740.0	4.0	7.2
				930.0	-.100	1.000	-.020		850.0	76.0				460.0	3.2	5.4
				1200.0	-.100	.800	-.020		1100.0	130.0				560.0	3.4	5.2
	82	6	19													

NOTE: - INDICATES LESS THEN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSIS
SHAFT

SHAFT	YR	MO	DY	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BOD (MG/L)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
W202	82	6	19													
W203	80	1	12	490.0	-.100	1.200	-.020		410.0	84.0				250.0	3.5	6.5
				460.0	-.100	.050	-.020		380.0	80.0				230.0	3.3	6.4
		4	21	680.0	-.100	.900	-.020		500.0	180.0				300.0	4.3	11.0
				820.0	-.100	1.000	-.020		730.0	90.0				360.0	61.0	7.3
		9	26	750.0	-.100	.800	-.020		630.0	120.0				350.0	2.3	4.9
	81	9	1	2600.0	-.100	1.900	-.020		1900.0	720.0				1500.0	2.4	4.1
				2500.0	-.100	1.800	-.020		2000.0	480.0				1400.0	2.4	4.1

NOTE: - INDICATES LESS THEN